

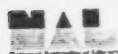
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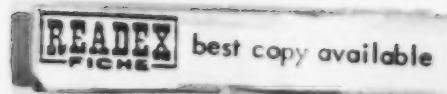
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4.	S S3 and dairy
5.	RD S4

0001

Adaptation of dairy cows to changes in the housing technology. Adaptace dojnic pri zmanach technologic ustajeni. Czech.

AUAAB. Dvorak, J. ; Rusek, J. Brno : Vysoke skoly zemedelske. Acta universitatis agriculturae : Sbornik vysoke skoly zemedelske v Brne. Rada A: Spisy fakulty agronomicke. 1984. v. 32 (3). p. 111-115. Includes 4 references. (NAL Call No.: DNAL S13.B7).

0002

Advanced techniques practiced at new dairy research unit.

Broadway, R. Mississippi State, Miss. : The Station. MAFES research highlights - Mississippi Agricultural and Forestry Experiment Station. Apr 1988. v. 51 (4). p. 8. 111. (NAL Call No.: DNAL 100 M69M1).

0003

Air quality in six Alberta commercial free-stall dairy barns.

CAEDA. Clark, P.C. ; McQuitty, J.B. Ottawa : Canadian Society of Agricultural Engineering. Canadian agricultural engineering. Jan 1987. v. 29 (1). p. 77-80. Includes references. (NAL Call No.: DNAL 58.B C164).

0004

All year housing of dairy cows.

Poole, D.A. Harlow, Essex : Longman. Research and development in agriculture. 1987. v. 4 (2). p. 77-81. 111. Includes references. (NAL Call No.: DNAL S539.5.R473).

0005

Analysis of equipotential plane installations.

Kammel, D.W. ; Jones, B. St. Joseph, Mich. : The Society. American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1987 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers. Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. 1987. (fiche no. 87-3037). 12 p. 111. Includes references. (NAL Call No.: DNAL FICHE S-72).

0006

Analysis of keeping technology and veterinary hygienic conditions in a dairy farm of 1200 stalls (Cows, Hungary). A tartastechnologia es az allategeszegugyi helyzet elemzése egy 1200 ferohelyes teheneszeti telepen. Hungarian.

Molnar, R. ; Bodor, J. Budapest : Magyar Agrartudományi Egyesület. Magyar állatorvosok lapja = Hungarian veterinary journal. Aug 1983. v. 38 (8). p. 456-460. 111. Includes references. (NAL Call No.: 41.B V644).

0007

Analysis of microclimatic factors in large-capacity housing of milk cows in a submontane area at winter and summer seasons. Rozbor mikroklimatickych faktorov vo veľkokapacitnom ustajneni dojnic v podhorskej oblasti v zimnom a letnom období. Slovak.

POLNA. Vavak, V. ; Kotvas, R. Bratislava. Czechoslovakia : Slovenskej akademia vied. Pol'nohospodarstvo = Agriculture. 1985. v. 31 (5). p. 438-447. Includes 15 references. (NAL Call No.: DNAL 19.5 P752).

0008

Analysis of operational reliability of feeding lines for dairy cows. Rozbor provozni spoehlivosti krmnych linek pro dojnice. CZECH.

Kejik, C. ; Malac, P. Brno. Vysoka skola zemedelska. Acta Universitatis Agriculturae, Facultas Agroeconomica. Rada D: Spisy fakulty provozne ekonomice. 1979. v. 15 (1/2). p. 21-38. 111. 11 ref. (NAL Call No.: HD1940.C95A1).

0009

Animal husbandry review.

VEANA. Ewer, T.K. London : Sciencetechnica. The Veterinary annual. Literature review. 1988. v. 28. p. 1-22. 111. Includes references. (NAL Call No.: DNAL 41.8 V6456).

0010

Automatic crowding gate for dairy cows / Agricultural Engineering Research Division, Agricultural Research Service.

Washington, D.C. : U.S. Dept. of Agriculture. 1969. "Issued January 1969." - "Cooperative farm building plan exchange. plan no. 6037.". 1 sheet (2 p.) : 111. plans : 27 cm. (NAL Call No.: DNAL 1 Ag84M no.1119).

0011

Automatic indicator of a milch cow condition used in sophisticated milking houses screening changes in (specific conductivity) values (of the milk).

Janal, R. Godollo, Hungary. (s.n.). 1980. Proceedings of the II. International Conference on Physical Properties of Agricultural Materials and their influence on technological processes, organized by the Magyar Agrartudományi Egyesület...(et al.); under the auspices of the third section of the of the Hungarian National Committee of the C.I.G.R., Commission international du genie rural, in Godollo, Hungary, in the University of Agricultural Sciences on 26-28th August, 1980. v. 4 no. 118, 3 p. (NAL Call No.: S698.I5).

0012

An automatic system for quantification of eating and ruminating activities of dairy cattle housed in stalls.

JDSCAE. Beauchemin, K.A. ; Zelin, S.-Genner, D.-Buchanan-Smith, J.G. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. Oct 1989. v. 72 (10). p. 2746-2759. 111.

Includes references. (NAL Call No.: DNAL 44.8 J822).

0013

Automation in abreast parlours (Dairy cows, milking).
Jory, M. Ipswich, Eng., Farming Press. Dairy farmer and dairy beef-producer. Apr 1981. v. 28 (4). p. 67. 111. (NAL Call No.: 44.8 D1414).

0014

Bank barns compared with above ground barns for housing dairy cattle /by Max J. LaRock and Robert G. Yeck.
LaRock, M. J. 1892-. ; Yeck, Robert G. : 1920-. Washington, D.C. : U.S. Dept. of Agriculture, Agricultural Research Service. 1956. Cover title.- In cooperation with the Agricultural Experiment Station, University of Wisconsin. 38 p. : 111. : 23 cm. Bibliography: p. 38. (NAL Call No.: DNAL A281.9 Ag8 no.2).

0015

Barns for rearing dairy cattle. Stallbauten für die Milchviehhaltung. German.
Hillendahl, U. Gelsenkirchen-Buer, Verlag Th. Mann. Die Milch Praxis und Rindermast. Aug 1981. v. 19 (3). p. 92-94. 111. (NAL Call No.: SF221.M5).

0016

Basic etological manifestations of the daily regimen of dairy cows with different housing technologies. I. Rest (standing, lying). Zakladni etologicke projevy denniho režimu dojníc při rozdílné technologii ustajení. I. Odpočinek (Stání, lezení).
Veris, J. ; Navrátil, J. V Praha, Vysoká škola. Sborník Vysoké školy zemědělské v Praze. Fakulta agronomická. Rada B. Živočišná výroba. 1980. 1980. (31). p. 143-156. 111. 10 ref. (NAL Call No.: SF1.P7).

0017

Bed-covering (Dairy cattle, cubicles).
Chancellor, G. Ipswich, Eng., Farming Press. Dairy farmer and dairy beef-producer. Sept 1981. v. 28 (9). p. 71, 73. (NAL Call No.: 44.8 D1414).

0018

Bedding--comfort or contamination? (Dairy cattle housing, sanitation).
Mettler, D. Ithaca : The Journal. American agriculturist. New England edition. Oct 1983. v. 180 (10). p. 42. (NAL Call No.: 6 AM31).

0019

Bedding them down.
DHMGA. Annexstad, J. Minnetonka, Minn. : Miller Publishing Company. Dairy herd management. May 1990. v. 27 (5). p. 14-15. 111. (NAL Call No.: DNAL SF191.D3).

0020

Bedrijfsomvang en staltype = Dairy farm size and type of cow house / NRLO/TNO werkgroep "bedrijfsynthese staltypen".
Wageningen (Netherlands) IMAG 1981.

Summary in English. 76 p. : 111., plans : 24 cm. --. (NAL Call No.: 5671.156 no.158).

0021

Behavior analysis of dairy cows under the conditions of large-scale production technology of loose housing. Analýza správania sa dojníc v podmienkach veľkovýrobnej technológie voľného ustajnenia.
Vavak, V. Bratislava, Slovenská akadémia vied. Poľnohospodárstvo. = Sel'skoe khoziaistvo. = Agriculture. 1981. v. 27 (1). p. 44-51. 9 ref. (NAL Call No.: 19.5 P752).

0022

Behavior of cows of different genotypes in closed dairy units in a tied-down system. Kulonbozo genotípusu tehenek viselkedése zart-kötött tartásban. Hungarian.
Gere, T. ; Gyorkos, I.-Horvath, R.-Rado, G. Budapest : Hirlapkiado Vallalat. Allattenyésztés és takarmányozás = Animal breeding and feeding. 1983. v. 32 (1). p. 39-43. Includes references. (NAL Call No.: 49 AL57).

0023

Behavior of dairy calves reared in hutches as affected by temperature.
TAAEA. Brunsvold, R.E. ; Cramer, C.D.-Larsen, H.J. St. Joseph, Mich. : The Society. Transactions of the ASAE - American Society of Agricultural Engineers. July/Aug 1985. v. 28 (4). p. 1265-1268. Includes references. (NAL Call No.: DNAL 290.9 AM32T).

0024

Behavior of dairy cattle in free stall housing.
Albright, L.D. ; Timmons, M.B. St. Joseph, Mich. : The Society. Transactions of the ASAE - American Society of Agricultural Engineers. July/Aug 1984. v. 27 (4). p. 1119-1126. 111. Includes references. (NAL Call No.: 290.9 AM32T).

0025

Behavioral and physiological responses to spatial novelty in dairy cows.
CNJNA. Kondo, S. ; Hurnik, J.F. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. June 1988. v. 68 (2). p. 339-343. Includes references. (NAL Call No.: DNAL 41.8 C163).

0026

Behavioral responses of dairy cows in selection of stalls in confinement.
Gebremedhin, K.G. ; Cramer, C.D.-Larsen, H.J. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). 1981 Paper presented at the 1981 Winter Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. 1981. (fiche no. 81-4542). 1

microfiche : 111. Includes references.
(NAL Call No.: FICHE S-72).

0027
The behaviour of dairy cows and their newborn calves in individual or group housing (Reading, England).
Edwards, S.A. Amsterdam : Elsevier.
Applied animal ethology. May 1983.
Literature review. v. 10 (3). p.
191-198. Includes references. (NAL Call
No.: QL750.A6).

0028
Behaviour of dairy cows in free-stall barns. Verhalten von Milchkühen in Laufställen. German.
Baehr, J. ; Schulte-Coerne, H.-Pabst, K.-Gravert, H.D. Stuttgart, W. Ger. : Eugen Ulmer. Zuchtungskunde. Mar/June 1984. v. 56 (2/3). p. 127-138. 111.
Includes references. (NAL Call No.: 49
Z8).

0029
Behaviour, production and welfare in relation to animal density for dairy cows in loose housing.
Krohn, C.C. ; Konggaard, S.P. Copenhagen : Landhusholdningsselskabets Forlag.
1987. Research in cattle production : Danish status and perspectives : contribution in honor of A. Neimann-Sorensen, 1 May 1987 / B. Bech Andersen ... et al. . p. 160-168.
Includes references. (NAL Call No.: DNAL
SF201.R47 1987).

0030
Building requires planning and patience (Dairy cattle, housing).
Spike, P.W. Fort Atkinson, Wis., W.D. Hoard & Son. Hoard's dairyman. Nov 25, 1981. v. 126 (22). p. 1555, 1591. 111.
(NAL Call No.: 44.8 H65).

0031
Building with the consideration of climatic conditions (Dairy cattle buildings, Tadzhik SSR). Russian.
Stepanov, D. ; Belkin, B. Moskva : "Kolos". Molochnoe i miasnoe skotovodstvo. Jan 1980. Jan 1980. (1).
p. 44-47. (NAL Call No.: 43.8 M73).

0032
Calculating required dairy manure storage volume.
TAAEA, Moore, J.A. ; Baker, E.S. St. Joseph, Mich. : The Society.
Transactions of the ASAE - American Society of Agricultural Engineers. Mar/Apr 1985. v. 28 (2). p. 547-550.
111. Includes references. (NAL Call No.:
DNAL 290.9 AM32T).

0033
Calf and youngstock housing.
Boyd, James S. Document available from:
Michigan State University, Bulletin
Office, P.O. Box 231, East Lansing,
Michigan 48824 1972. 11 p. : 111. (NAL
Call No.: Document available from
source.). (NAL Call No.: Extension
Bulletin E-619).
This publication discusses and
illustrates housing for young dairy
calves including cold and warm barns,

individual or group pens, and areas for
older stock.

0034
Calf care and raising young stock.
Ames, Iowa : The Service. 1985 .
Illinois-Iowa dairy handbook /
University of Illinois at
Urbana-Champaign and Iowa State
University at Ames, Cooperative
Extension Service. Hoard's Dairyman.
1982. 49 p. 111. (NAL Call No.: DNAL
SF239.I45 1985).

0035
Calf hutches.
Kubik, Don J. 1980. Document available
from: Dept. of Ag. Communications,
University of Nebraska, Lincoln, NE
61801. 4 p. : 111. (NAL Call No.: Not
available at NAL.). (NAL Call No.:
G79-455).
This discusses frequently asked
questions about raising dairy calves in
hutches. It also illustrates several
types of hutches and feeders.

0036
Calf hutches for dairy calves.
Burton, C.H. ; Richardson, C.W.
Stillwater, Okla. : The Service. OSU
extension facts - Cooperative Extension
Service, Oklahoma State University. Apr
1982. (4267). 4 p. 111. (NAL Call No.:
DNAL S544.3.0505).

0037
Calf management and facilities on selected Wisconsin dairy farms.
Ainslie, H.R. ; Bringe, A.N. Madison,
Wis., The Programs. Publication -
Cooperative Extension Programs,
University of Wisconsin Extension. Sept
1981. Sept 1981. (A3141). 8 p. 111. (NAL
Call No.: S544.3.W6W53).

0038
California dairy corral manger mister installation.
Shultz, T.A. St. Joseph, Mich. : The
Society. American Society of
Agricultural Engineers (Microfiche
collection). Paper presented at the 1988
Summer Meeting of the American Society
of Agricultural Engineers. Available for
purchase from: The American Society of
Agricultural Engineers, Order Dept.,
2950 Niles Road, St. Joseph, Michigan
49085. Telephone the Order Dept. at
(616) 429-0300 for information and
prices. 1988. (fiche no. 88-4056). 8 p.
111. Includes references. (NAL Call No.:
DNAL FICHE S-72).

0039
Capital need for building stalls for dairy cows and fattening bulls. Investitionsbedarf für den Bau von Milchvieh- und Mastbullenställen / von Jürgen Gartung, Jan-Gerd Krentler, Heinz-Gunter Sievers. -. German.
Gartung, Jürgen. Braunschweig -
Volkenrode Bundesforschungsanstalt für
Landwirtschaft 1982. 2 v. : 111. ; 30
cm. --. Includes bibliographies. (NAL
Call No.: 18 L2353 sp.no.63/64).

0040

Cattle grid floor on dairy farms and its effect on the contamination of milk and on the health status of the udder. A teheneszeti telepek kifutóinak hatása a termelt tej tisztaságára és a togyegeszsegugyi helyzetre. HUNGARIAN. Facsar, I. Budapest. Hírlapkiadó Vállalat. Magyar állatorvosok lapja. May 1980. v. 35 (5). p. 300-304, 309. ill. 6 ref. (NAL Call No.: 41.8 V644).

0041

Change of daily milk yields of cows depending on air temperature and moisture on dairy complexes with manure storage under the floor. 1. Loose maintenance in boxes. Bulgarian. ZHVNA. Kusnedelcheva, S. ; Kusnedelchev, M.-Smeriev, I. Sofia. Bulgarska akademija na naukite. Zhivotnovodni nauki = Animal science. 1984. v. 21 (5). p. 9-16. ill. Includes 9 references. (NAL Call No.: DNAL 49 Z65).

0042

Characteristics and elements of the free housing system (for dairy cattle). La estabulacion libre: características y elementos. SPANISH. Bonora Xerri, F.A. Barcelona. (s.n.). El Cultivador moderno. Mar 1980. Mar 1980. (734). p. 68-71. ill. (NAL Call No.: 15 C89).

0043

Climatic conditions and their relation to housing factors in Norwegian dairy barns with special reference to dairy cows. Simensen, E. Stockholm. Scandinavian Association of Agricultural Scientists. Acta agriculturae scandinavica. 1981. v. 31 (3). p. 261-266. ill. 12 ref. (NAL Call No.: 11 AC82).

0044

Cold housing for dairy calves. Fehr, R.L. ; Crist, W.L. Lexington. The Service. ID - University of Kentucky. Cooperative Extension Service. Sept 1983. (56). 4 p. ill. Includes references. (NAL Call No.: DNAL S544.3.K4K42).

0045

Commercial project of a dairy cattle unit with 1930 animal places and natural ventilation (East Germany). Anwendung der freien Lüftung in einer Milchviehanlage vom Typ AP 1930. German. Weier, H. ; Seliger, M.-Kleeburg, D. Berlin, E. Ger. ; Akademie der Landwirtschaftswissenschaften der DDR. Tierzucht. Jan 1984. v. 38 (1). p. 34-37. ill. (NAL Call No.: 49 T443).

0046

Comparative evaluation of housing systems in modern dairy cattle rearing. Vergleichende Beurteilung der Stallsysteme in der modernen Milchviehhaltung. GERMAN. Wander, J.F. Hildesheim. Arbeitsgemeinschaft Deutscher Tierzüchter. Der Tierzüchter. Mar 25. 1980. v. 32 (3). p. 93-95. ill. (NAL Call No.: 49 T445).

0047

Comparative evaluation of the economic effectiveness of the summer housing and pasture maintenance systems of dairy cows (Costs, milk yields, Moscow Region, RSFSR-in-Europe). Russian. Ovsishchen, B.R.DTSKA. ; Bondareva, N.I.-Avdeev, B.N. Moskva. ; Akademia. Doklady TSKhA - Timiriazevskaja sel'skokhoziaistvennaja akademija. 1981. 1981. (265). p. 3-7. (NAL Call No.: 20 M857).

0048

Comparative evaluation of the methods of calf keeping during the colostrum period on a complex of the "Vetsautse" Educational Farm of the Latvian Agricultural Academy. Russian. TLSAA. Serzhans, A.A. Elgava. ; Akademia. Trudy Latvijas skol'skokhoziaistvennoji akademiji. 1983. (210). p. 27-31. (NAL Call No.: DNAL 106 L352).

0049

Comparative study of dairy cattle housing in Japan with special reference to Hokkaido. Wada, H. ; Maton, A. Okayama. The Faculty. Okayama Daigaku Nogaku-bu gakujiutsu hokoku. = Scientific reports of the Faculty of Agriculture. Okayama University. Oct 1979. Oct 1979. (54). p. 33-42. ill. 7 ref. (NAL Call No.: 107.6 OK12).

0050

Comparing methods of housing dairy calves (in Louisiana). Keith, E.A. ; Gorrell, G.L.-Keith, N.K. Baton Rouge. The Station. Louisiana agriculture - Louisiana Agricultural Experiment Station. Fall 1982. v. 26 (1). p. 6-7. (NAL Call No.: 100 L939).

0051

Comparison of a tie stall system and a feed cubicle system for dairy cows. Sammenligning av langbas- og foringsliggebassystemet for mjolkekyr. NORWEGIAN. Gjestang, K.E. ; Gravas, L.-Nygaard, A. As. Det Universitet. Meldinger - Norges landbrukshogskole. 1979. v. 58 (41). 14 p. ill. 11 ref. (NAL Call No.: 104 N762M).

0052

Comparison of performance and health state of primipara cows kept in the littered and litterless cowhouses. Porównanie produktywności i zdrowotności krow pierwiastek utrzymywanych w oborze ściółkowej i bezściółkowej. Polish. ZPPRA. Zalewski, W. ; Litwinczuk, Z.-Gnyp, J. Warszawa. Państwowe Wydawn. Naukowe. Zeszyty problemowe postępów nauk rolniczych. 1984. (267). p. 351-356. Includes 10 references. (NAL Call No.: DNAL 20.5 Z5).

0053

Comparison of phenotypic correlation between the performance within shortened lactation periods and that within 305 days of milking primipara cows kept in farm and traditional cowhouse.

Porównanie korelacji fenotypowych między wydajnościami za skrócone okresy laktacji a wydajnościami za 305 dni doju krow pierwiastek użytkowanych w fermie i oborach tradycyjnych. Polish.
ZPPRA, Kijak, Z. ; Perlik, U.-Mikusiak, J. Warszawa : Państwowe Wydawn. Naukowe. Zeszyty problemowe postępów nauk rolniczych, 1984. (267). p. 287-291. Includes 4 references. (NAL Call No.: DNAL 20.5 Z5).

0054
Computer programmed supply of concentrates (Dairy cattle, feeding systems). Geprogrammeerde krachtvoeroverstrekking in de praktijk. DUTCH.
Ipema, A.H. Wageningen, Stichting Mechanisatie Centrum. Landbouwmecanisatie. Nov 1980. v. 31 (11). p. 1137-1140. 111. (NAL Call No.: 58.8 L2352).

0055
Concentration and specialization in cattle raising: policy role concerning livestock buildings (Dairy cattle, France). Concentration et specialisation de l'élevage bovin: le rôle de la politique concernant les bâtiments d'élevage. French.
Cranney, J. ; Rio, P. Beaumont (France) : Centre de recherches zootechniques et vétérinaires de Theix, 1981. La production laitière française : évolution récente et perspectives / ouvrage collectif coordonné par R. Jarrige et J.C. Tirel. p. 93-104. (NAL Call No.: SF233.F8P76).

0056
Concrete floors for dairy cows.
Davies, R.C.SVEJA, Surbiton, Surrey : Great Britain, Ministry of Agriculture, Fisheries and Food. The State veterinary journal. Sept 1982. v. 37 (11). p. 172-177. (NAL Call No.: SF601.S8).

0057
Confinement feeding of dairy cows based on stargrass as green chopped fodder or hay.
JAUPA, Randel, P.F. ; Fernandez-van Cleve, J. Mayaguez : University of Puerto Rico, Agricultural Experiment Station. The Journal of agriculture of the University of Puerto Rico. Apr 1988. v. 72 (2). p. 231-246. Includes references. (NAL Call No.: DNAL 8 P832J).

0058
Considerations in selecting dairy calf housing.
Moeller, N. J. ; Friday, W. H. & Animal sciences. 1973. Document available from: Mailing Room, Ag. Administration Bldg., Purdue University, W. Lafayette, Indiana 47907. 4 p. (NAL Call No.: Not available at NAL.). (NAL Call No.: 10-93). This publication deals with proper housing needs for dairy cows and calves. Warm housing, cold housing and outdoor housing system are also discussed.

0059
The construction and equipment of dairy barns.
K4EBA, Nicholls, W.D. Lexington : The Station, Bulletin - Kentucky. Agricultural Experiment Station. Documents available from: Agriculture Library, Agricultural Science Center - North, University of Kentucky. Lexington, Ky. 40546-0091. June 1914. (179,pt.1). p. 35-112. 111. (NAL Call No.: DNAL 100 K41 (2)).

0060
The control of respiratory diseases in housed dairy calves in fluctuating climate (Canada).
Hartin, K.E. Utrecht, Netherlands : Dutch Section of the World Association for Buiatrics, 1982. Proceedings (of the) XIIth World Congress on Diseases of Cattle, September 7-10, 1982. Internationaal Congrescentrum RAI, Amsterdam, the Netherlands / World Association for Buiatrics. v. 1 p. 162-165. Includes references. (NAL Call No.: SF961.I56 1982).

0061
Controlling dairy barn moisture with heat exchangers /Earl L. Arnold.
Arnold, Earl L. 1907-. Burlington, Vermont : Agricultural Experiment Station, University of Vermont, 1963. 11 p. 111. plans : 23 cm. (NAL Call No.: DNAL 100 V59 no.622).

0062
Cool dairy cows more productive.
Kingdon, L.E. Phoenix, Ariz. : Elliott L. Cushman, Arizona farmer-stockman. June 1985. v. 64 (6). p. 11. (NAL Call No.: DNAL 6 AR44).

0063
Cooling dairy cattle in the holding pen.
Wiersma, F. ; Armstrong, D. St. Joseph, Mich. : The Society, Paper - American Society of Agricultural Engineers (Microfiche collection). 1983. Paper presented at the 1983 Winter Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. 1983. (fiche no. 83-4507). 1 microfiche : 111. Includes references. (NAL Call No.: FICHE S-72).

0064
Correct functional open box stalls (Dairy cows). Funktionsgerechte Liegeboxenlaufställe. German.
Seufert, H. Frankfurt/Maine, DLG Verlag. Kostengünstige Rindviehställe = Cost-effective cattle houses. 1979 (pub. 1981). 1979 (pub. 1981). p. 13-15. 111. (NAL Call No.: SF206.K6).

0065
Cost-saving structural solutions for dairy and young cattle keeping (Structures). Leichtbauweisen für die Landwirtschaft. German.
Hillendahl, W. Darmstadt, W. Ger., Eduard F. Beckmann. Landtechnik. June

1982, v. 37 (6), p. 302-304, ill. (NAL Call No.: 58.8 L235).

0066

Cow kennels.

Washington, D.C. : U.S. Dept. of Agriculture, Agricultural Research Service, 1977. Caption title. - "Cooperative farm building plan exchange, plan no. 6165." - "Issued Apr. 1977." 1 sheet (2 p.) : ill., plans : 28 cm. (NAL Call No.: DNAL 1 Ag84M no.1344).

0067

Cow tracks for the dairy herd (Concrete paths).

London : The Service, Leaflet - Great Britain, Ministry of Agriculture, Fisheries and Food, Agricultural Development and Advisory Service, 1983. 1983. (744, rev.). 5 p. ill. (NAL Call No.: S217.L4).

0068

Cow tracks for the dairy herd (Construction of livestock paths, Great Britain).

?London? : The Service, Leaflet / Ministry of Agriculture, Fisheries and Food, Agricultural Development and Advisory Service, 1981. 1981. (744). 6 p. (NAL Call No.: S217.L4).

0069

Crowding phenomena in dairy cows as related to available idling space in a cubicle housing system (Aggressiveness, behavior).

Metz, J.H.M. ; Mekking, P. Amsterdam : Elsevier, Applied animal behaviour science, Mar 1984, v. 12 (1/2), p. 63-78, ill. Includes references. (NAL Call No.: QL750.A6).

0070

Cubicle division without leg at rear end (Dairy cows, housing). Pootloze boxafscheiding. Dutch.

Seinhorst, J.W. Wageningen : Het Proefstation, Publikatie - Proefstation voor de Rundveehouderij, June 1981, June 1981. (17), p. 47-48, ill. (NAL Call No.: SF191.P73).

0071

Cubicle houses (for dairy cows) in the Netherlands on 1 January 1980.

Ligboxstallen op 1 januari 1980. DUTCH. Prinsen, L. Wageningen, Stichting Mechanisatie Centrum. Landbouwmechanisatie, Apr 1980, v. 31 (4), p. 383-386. (NAL Call No.: 58.8 L2352).

0072

The dairy barn at the Kentucky Agricultural Experiment Station.

KAEB, Hooper, J.J. Lexington : The Station, Bulletin - Kentucky, Agricultural Experiment Station, Documents available from: Agriculture Library, Agricultural Science Center - North, University of Kentucky, Lexington, Ky. 40546-0091, June 1914. (179,pt.2), p. 113-117, ill. (NAL Call No.: DNAL 100 K41 (2)).

0073

Dairy cattle.

Leaver, J.D. London : Bailliere Tindall, 1988. Management and welfare of farm animals, p. 13-45, ill. Includes references. (NAL Call No.: DNAL SFE1.M35 1988).

0074

Dairy cattle housing and management.

Albright, J.L. Clovis, Calif. : Agriservices Foundation, Dairy science handbook, 1981, v. 14, p. 95-100, ill. (NAL Call No.: SF221.D335).

0075

Dairy cattle housing in the north central states.

Madison : Agricultural Experiment Station, University of Wisconsin, 1946. Cover title. - "Prepared by the Dairy Cattle Housing Subcommittee of the North Central Regional Farm Buildings Committee representing the state agricultural experiment stations. 40 p. : ill. : 23 cm. (NAL Call No.: DNAL 100 W75 (1) no.470).

0076

Dairy cattle husbandry and tower silos. De melkveebedrijven en de torensilo's. DUTCH.

Prinsen, L. Den Haag, Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling, May 1979, v. 10 (5), p. 453-456, ill. (NAL Call No.: S11.B43).

0077

Dairy cattle production systems and management systems.

Thyssen, I. ; Kristensen, E.S.-Sorensen, J.T.-Ostergaard, V. Copenhagen : Landhusholdningsselskabets Forlag, 1987. Research in cattle production : Danish status and perspectives : contribution in honor of A. Neimann-Sorensen, 1 May 1987 / B. Bech Andersen ... et al. p. 169-182. Includes references. (NAL Call No.: DNAL SF201.R47 1987).

0078

Dairy cattle sector in Cordoba, Spain: evolution and structure of the farms (Milk production, statistics). El sector vacuno lechero en Cordoba: evolucion y estructura de las explotaciones.

Sala Castells, J. ; Gomez Cabrera, A. Madrid, Spain, (s.n.). Agricultura, Feb 1982, v. 51 (595), p. 109-117, ill., map, 9 ref. (NAL Call No.: 15 AG84).

0079

Dairy cattle stables--cost saving and the same time good for the livestock. Milchviehstalle--kostengunstig und dennoch tiergerecht. GERMAN.

Wander, J.F. Frankfurt am Main, DLG-Verlag, DLG-Mitteilungen, Deutsche Landwirtschafts-Gesellschaft, Sept 6, 1979, v. 94 (17), p. 966-969, ill. (NAL Call No.: 18 N39).

0080
Dairy cow cubicle layout planning
(Barns, buildings).
Harper, A.D. Aberdeen : Scottish Farm
Buildings Investigation Unit. Farm
building progress. Apr 1983. Apr 1983.
(72). p. 29-32. ill. Includes
references. (NAL Call No.: TH4911.F37).

0081
Dairy cows housing and methods of
milking /by Julius J. Csorba and Gordon
G. Butler.
Csorba, Julius J. ; Butler, Gordon
Gray. : 1913-. Washington, D.C. : U.S.
Dept. of Agriculture, Economic Research
Service, Farm Economics Division, 1961.
31 p. : 26 cm. Includes bibliographical
references. (NAL Call No.: DNAL A281.9
Ag83E no.15).

0082
The dairy cow's record and the stable
/by Leroy Anderson.
Anderson, Leroy, 1866-. Berkeley, Cal. :
Agricultural Experiment Station, 1909.
Cover title.- At head of title:
University of California publications.
College of Agriculture, Agricultural
Experiment Station, Berkeley,
California. p. 65-90 : ill. : 23 cm.
(NAL Call No.: DNAL 100 C125 no.204).

0083
Dairy cowhousing and methods of milking
/ by Julius J. Csorba and Gordon G.
Butler. --
Csorba, Julius J. Washington, D.C. :
U.S. Dept. of Agriculture, Economic
Research Service, Farm Economics
Division, 1961. 31 p. --. Includes
bibliographical references. (NAL Call
No.: DNAL Fiche S-82 no.15).

0084
Dairy farm stray voltage traced to
various causes (Adverse effects on dairy
cattle, corrective methods).
Anderson, P.M. ; McCurdy,
J.A.-Fairchild, J.W. University Park,
Pa., The Station. Science in agriculture
- Pennsylvania Agricultural Experiment
Station. Summer 1982. v. 29 (4). p. 2-3.
ill. (NAL Call No.: 100 P3815).

0085
Dairy housing and equipment handbook.
--
Ames, Iowa : Midwest Plan Service, 1985.
Cover title.- "MWPS-7." Includes index.
iii, 107 p. : ill. : 28 cm.
Bibliography: p. 106. (NAL Call No.:
DNAL SF206.D35 1985).

0086
Dairy housing equipment permanent-type
construction.
Washington, D.C. : U.S. Dept. of
Agriculture, 1968. "Issued February
1968." -- "Cooperative farm building plan
exchange, plan no. 5977." 1 sheet (2
p.) : ill., plans ; 28 cm. (NAL Call
No.: DNAL 1 Ag84M no.1068).

0087
Dairy housing II : proceedings of the
Second National Dairy Housing
Conference, March 14-16, 1983, Sheraton
Inn and Conference Center, Madison,
Wisconsin. --
St. Joseph, Mich. American Society of
Agricultural Engineers c1983. vii, 350
p. : ill. : 23 cm. Includes
bibliographies. (NAL Call No.: SF206.N37
1983).

0088
Dairy unit for the Falkland Islands.
Watson, G.A.L. Aberdeen : Scottish Farm
Buildings Investigation Unit. Farm
building progress. July 1985. (81). p.
27-28. ill. (NAL Call No.: DNAL
TH4911.F37).

0089
Dairy unit for 120 cows (Building
designs).
MacCormack, J.A.D. Aberdeen, Scottish
Farm Buildings, Investigation Unit. Farm
building progress. Apr 1979. Apr 1979.
(56). p. 7-8. ill. (NAL Call No.:
TH4911.F37).

0090
Dairy youngstock environment in
Pennsylvania--a survey.
Heinrichs, A.J. ; Graves, R.E.-Kiernan,
N.E. St. Joseph, Mich. : The Society,
American Society of Agricultural
Engineers (Microfiche collection). Paper
presented at the 1985 Winter Meeting of
the American Society of Agricultural
Engineers. Available for purchase from:
The American Society of Agricultural
Engineers, Order Dept., 2950 Niles Road,
St. Joseph, Michigan 49085. Telephone
the Order Dept. at (616) 429-0300 for
information and prices. 1985. (fiche no.
85-4548). 17 p. Includes references.
(NAL Call No.: DNAL FICHE S-72).

0091
Darnaway Farm Visitor Centre, Forres.
Sommer, M. Aberdeen : Scottish Farm
Buildings Investigation Unit. Farm
building progress. July 1985. (81). p.
17-21. ill., maps. (NAL Call No.: DNAL
TH4911.F37).

0092
De invloed van overbezetting op de
individuele ruwvoeropname van melkkoeien
=The influence of overcrowding on the
individual roughage intake of dairy cows
/H. Hopster en H.K. Wierenga. Dutch.
Hopster, H. Zeist : Instituut voor
Veeteeltkundig Onderzoek "Schoonoord".
1986. English summary.- "Juni 1986.". 62
p. : ill. : 30 cm. Bibliography: p.
45-46. (NAL Call No.: DNAL 49.9 Ut72R
no.B-267).

0093
Design of an ideal stanchion type
commercial dairy barn for Bangladesh.
Wallah, M.W. Mymensingh, Bangladesh :
Bangladesh Animal Husbandry Association.
Bangladesh journal of animal science.
1986. v. 15 (1/2). p. 62-68. ill.
Includes references. (NAL Call No.: DNAL
SF55.P3A5).

0094

The design of feeding barriers and managers and its effect on incidence of injuries and feed wastage.

BOVPB. Cermak, J. Stillwater, Okla. : American Association of Bovine Practitioners. The Bovine practitioner. Nov 1988. (23). p. 74-75. Includes references. (NAL Call No.: DNAL SF779.5.A1B6).

0095

Design of slip-resistant surfaces for dairy cattle buildings.

BOVPB. Cermak, J. Stillwater, Okla. : American Association of Bovine Practitioners. The Bovine practitioner. Nov 1988. (23). p. 76-78. Includes references. (NAL Call No.: DNAL SF779.5.A1B6).

0096

Designing dairy free stalls.

WUEXA. Gamroth, M.J. ; Moore, J.A. Pullman, Wash. : The Service. Extension bulletin - Washington State University. Cooperative Extension Service. Sept 1987. (321). 4 p. ill. (NAL Call No.: DNAL 275.29 W27P).

0097

Designing technical and functional systems for middle-sized dairy cow-houses. Projektowanie rozwiázan technologiczno-funkcjonalnych obor sredniej wielkosci. Polish.

Romaniuk, W. Warszawa : Panstwowe Wydawn. Naukowe. Roczniki nauk rolniczych. Seria C: Technika rolnicza. 1983. v. 75 (3). p. 9-34. ill. Includes references. (NAL Call No.: 20.5 R59 SER. C).

0098

Determination of optimal functional measurements of split flooring in dairy cattle stalls. Ermittlung optimaler Funktionsmasse von Spaltenboden in Milchviehlaufställen /Walter Pfadler. --. German.

Pfadler, Walter, 1949-. Freising : Institut für Landtechnik, 1981. Thesis (doctoral) -- Technische Universität München. Includes vita. 158 p. : ill. ; 21 cm. --. Bibliography: p. 140-148. (NAL Call No.: DNAL S760.G3F67 Nr.58).

0099

Developing improved designs of skid-resistant floors for dairy cattle buildings.

Dumelow, J. ; Albutt, R. St. Joseph, Mich. : American Society of Agricultural Engineers, c1988. Livestock environment III : proceedings of the Third International Livestock Environment Symposium, April 25-27, 1988, Constellation Hotel, Toronto, Ontario, Canada. p. 163-170. ill. Includes references. (NAL Call No.: DNAL SF91.I5 1988).

0100

The development of a design of a slatted floor shed for beef and dairy cattle--manure storage aspects.

Dodd, V.A. ; Doyle, H.J. Luxembourg. Commission of the European Communities,

1979. Engineering problems with effluents from livestock, edited by J. C. Hawkins; sponsored by the Directorate General for Agriculture. Coordination of Agricultural Research. p. 43-59. ill. 4 ref. (NAL Call No.: TD930.E5).

0101

Development of a floor system for dairy cows, with the example of the combined manger and loose box. Entwicklung eines Parterresystems für die Haltung von Milchvieh am Beispiel der kombinierten Fress-Liegebox. GERMAN.

Kruger, D. Berlin. VEB Verlag Technik. Agrartechnik. Jan 1980. v. 30 (1). p. 32-34. ill. 7 ref. (NAL Call No.: 58.8 D482).

0102

Diurnal temperature patterns of early lactating cows with milking parlor cooling.

JDSCAE. Araki, C.T. ; Nakamura, R.M.-Kam, L.W.G.-Clarke, N.L. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. June 1985. v. 68 (6). p. 1496-1501. ill. Includes 10 references. (NAL Call No.: DNAL 44.8 J822).

0103

Does it pay to shelter milch cows in winter? Upon skim milk as a food for calves / by Charles S. Plumb .

Plumb, Charles S. 1860-1939. Lafayette, Ind. : Purdue University Agricultural Experiment Station, 1893. Cover title. p. 86 -101 : ill. ; 22 cm. (NAL Call No.: DNAL 100 In2P no.47).

0104

Economic effect of alternative methods of housing and milking dairy cattle on Connecticut farms /I.F. Fellows.

Fellows, Irving F. Storrs, Conn. : Storrs Agricultural Experiment Station, 1960. Cover title. 16 p. ; 22 cm. (NAL Call No.: DNAL 100 C765 no.355).

0105

Economics of open-lot versus covered free-stall dairy housing systems /by C.R. Hoglund, J.S. Boyd and J.A. Speicher.

Hoglund, C. R. ; Boyd, James S.-Speicher, John Albert. ; 1928-. East Lansing : Michigan State University, Agricultural Experiment Station, 1969. Caption title: Free-stall dairy housing systems. 6 p. ; 28 cm. (NAL Call No.: DNAL 284.9 M58 no.91).

0106

Economy of the round dairy barn /by Wilber J. Fraser.

Fraser, Wilber John, 1869-. Urbana, Ill. : University of Illinois Agricultural Experiment Station, 1910. Cover title. - "Full specifications and detailed cost and construction of the new six-foot circular dairy barn at the University. Saving of round over rectangular barns. Notes on several round barns on dairy farms"--p. 1. 44 p. : ill., plans ; 23 cm. (NAL Call No.: DNAL 100 I165 no.143).

0107

The effect of alternative housing systems and production techniques on costs of milk production for various herd sizes / by James S. Holt. - Holt, James S. 1965. Thesis (Ph.D.)--Pennsylvania State University. 1965. viii, 326 leaves : ill. ; 28 cm. Bibliography: leaves 211-214. (NAL Call No.: SF206.H6).

0108

The effect of extra space on the behavior of dairy cows kept in a cubicle house.

CTVSD. Wierenga, H.K. ; Metz, J.H.M.-Hopster, H. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Social Space for Domestic Animals," January 10-11, 1985, Brussels, 1985. v. 35. p. 160-170. ill. Includes references. (NAL Call No.: DNAL SF600.C82).

0109

Effect of housing technology of dairy cows upon the area and use of byre. Vliv technologie ustajeni dojníc na plochu stáje a její využití. Czech.

Kubicek, J. AUAAB. Brno : Vysoká škola zemědělská. Acta Universitatis Agriculturae, Facultas Agrooconomica. Rada D: Spisy fakulty provozne ekonomické. 1981. v. 17 (1/4). p. 67-76. ill. Includes references. (NAL Call No.: HD1940.C95A1).

0110

Effect of milking techniques "in pen" on the daily regimen and behavior of dairy cows. Vliv technologie dojení na stani na denní režim a chování dojníc. Czech.

SVSBD. Navrátil, J. ; Veris, J.-Jisa, J.-Jirák, J.-Vostrel, F. Praha : Vysoká škola zemědělská. Sborník. Rada E: Živocisná výroba - Prague, Vysoká škola zemědělská. Fakulta agronomická. 1985. (43). p. 157-171. ill. Includes references. (NAL Call No.: DNAL SF1.P7).

0111

Effect of teat washing on the bacteriological contamination of milk from cows kept under various housing conditions.

McKinnon, C.H. JDRSA. ; Fulford, R.J.-Cousins, C.M. Cambridge : Cambridge University Press. Journal of dairy research. May 1983. v. 50 (2). p. 153-162. Includes references. (NAL Call No.: 44.8 J823).

0112

Effect of the transfer of older cows to a farm with loose housing system on their efficiency. Vplyv pseusunu starsich krav na farmu s volnym ustajnenim na uzitkovost. Slovak.

ZIVYA. Brestensky, V. ; Szabova, G.-Mihina, S.-Broucek, J. Praha : Ustav. Živocisná výroba - Československá akademie zemědělská, Ustav vedeckotechnických informací pro zemědělství. Jan 1986. v. 31 (1). p. 15-19. Includes references. (NAL Call No.: DNAL 49.9 C33).

0113

Effect of work methods and building designs on building costs and labor efficiency for dairy chores.

KAEBB. Byers, G.B. Lexington : The Station. Bulletin - Kentucky. Agricultural Experiment Station. Documents available from: Agriculture Library, Agricultural Science Center - North, University of Kentucky. Lexington, Ky. 40546-0091. Includes statistical data. June 1952. (589). 55 p. ill., maps. Includes references. (NAL Call No.: DNAL 100 K41 (2)).

0114

The effects of housing systems on physiological performance and productivity of local dairy cattle (PFH) (Indonesia).

Soepardjo. ; Wikantadi, B.-Keman, S.-Soetarno, T. Karnal : Agricultural Research Communication Centre. Asian journal of dairy research. Sept/Dec 1982. v. 1 (3/4). p. 231-236. Includes references. (NAL Call No.: SF105.A84).

0115

Effects of number and location of water bowls and social rank on drinking behaviour and performance of loose-housed dairy cows.

Andersson, M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1987. v. 17 (1/2). p. 19-31. Includes references. (NAL Call No.: DNAL QLT50.A6).

0116

Efficiency of an automatic box for washing the udders of dairy cows. Učinnost automatickeho boxu k mytí vemen dojníc. Czech.

Hojovec, J. ; Citterbergova, A. Praha : Ustav. Zemědělská technika - Československá akademie zemědělská Ustav vedeckotechnických informací pro zemědělství. Apr 1982. v. 28 (4). p. 203-209. ill. Includes references. (NAL Call No.: 58.9 C333).

0117

Electric cow trainers their use and operation / F.W. Duffee, A.M. Einerson & C.H. Neitzke.

Duffee, F. W. 1893-. ; Einerson, A. M.-Neitzke, C. H. Madison : Agricultural Experiment Station, University of Wisconsin. 1950. Cover title. 8 p. : ill. ; 23 cm. (NAL Call No.: DNAL 100 W75 (1) no.488 1950).

0118

Electricity for quiding dairy cows and young bulls (Operation of equipment in dairy barns and parlors). Elettricità per "educare" vacche da latte e torelli. Bonini, V. Bologna, Edagricole. Informatore zootecnico. Nov 30, 1980. v. 27 (22). p. 35-36. ill. (NAL Call No.: 49 IN3).

0119

Engineered management in housing.

Graves, R.E. Stillwater, Okla. : The Association. Proceedings ... annual convention - American Association of Bovine Practitioners. Meeting held on

November 18-21, 1986, in Louisville, Kentucky, Apr 1987. (19th), p. 90-93. Includes references. (NAL Call No.: DNAL SF961.A5).

O120

Environment and bovine udder diseases in the loose housing system for dairy cows with reference to relevant data from the cowhouse system (Norway).

Bakken, G. Stockholm, Scandinavian Association of Agricultural Scientists. Acta agriculturae scandinavica. 1981. v. 31 (4). p. 445-451. ill. 12 ref. (NAL Call No.: 11 AC82).

O121

Environmental aspects of dairy calf housing.

Bickert, W.G. ; Herdt, T.H. Princeton Junction, N.J. : Veterinary Learning Systems. The Compendium on continuing education for the practicing veterinarian. May 1985. v. 7 (5). p. S309-S314, S316. ill. Includes 16 references. (NAL Call No.: DNAL SF601.C66).

O122

Environmental conditions in free-stall dairy barns /by James S. Boyd, C.R. Hoglund, and John A. Speicher.

Boyd, James S. ; Hoglund, C. R.-Speicher, John Albert. ; 1928-. East Lansing : Michigan State University, Agricultural Experiment Station. 1968. Caption title. 6 p. : charts ; 28 cm. (NAL Call No.: DNAL 284.9 M58 no.72).

O123

Environmental effects on mastitis and milk quality.

Jarrett, J.A. Arlington, Va. : The Council. Annual meeting - National Mastitis Council, Inc. 1988. (27th). p. 12-17. ill. Includes references. (NAL Call No.: DNAL SF967.M3N32).

O124

Environmental effects on mastitis and milk quality (Dairy cows, bacterial contamination, free stall housing).

Jarrett, J.A. Philadelphia, Pa. : W.B. Saunders. The veterinary clinics of North America. July 1984. Paper presented at the "Symposium on Bovine Mastitis," July 1984. v. 6 (2). p. 371-375. ill. Includes references. (NAL Call No.: SF601.V534).

O125

Environmental physiology and shelter engineering with special reference to domestic animalsXXIVEffect of temperature upon exchanges in dairy barns /H.J. Thompson.

Thompson, H. J. 1914-. Columbia, Mo. : University of Missouri, College of Agriculture, Agricultural Experiment Station. 1954. "Missouri Agricultural Experimental Station and the United States Department of Agriculture cooperating. Assisted by the Office of Naval Research"--T.p. 28 p. : ill., plan ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 100 M693 (3) no.542).

O126

Environmental physiology and shelter engineering with special reference to domestic animalsXXXVHeat and moisture removed by a dairy stable ventilation system during diurnal temperature rhythms /R.G. Yeck.

Yeck, Robert G. 1920-. Columbia, Mo. : University of Missouri, College of Agriculture, Agricultural Experiment Station. 1955. "Missouri Agricultural Experiment Station and the United States Department of Agriculture cooperating"--T.p. 28 p. ; 23 cm. Bibliography: p. 27. (NAL Call No.: DNAL 100 M693 (3) no.595).

O127

Environmental physiology and shelter engineering with special reference to domestic animalsXLIInfluence of humidity and wind on heat loads within dairy barns / H.J. Thompson.

Thompson, H. J. 1914-. Columbia, Mo. : University of Missouri, College of Agriculture, Agricultural Experiment Station. 1957. "This bulletin is a report on Department of Agricultural Engineering Research Project 66. 'Climatic Laboratories' "--p. 2. 28 p. ; 23 cm. Bibliography: p. 28. (NAL Call No.: DNAL 100 M693 (3) no.618).

O128

Epidemiologic diagnosis of neonatal diarrhea in dairy calves (Mortality, feeding, housing).

Hancock, D. Stillwater : The Association. Proceedings...annual convention - American Association of Bovine Practitioners. 1982 (pub. 1983). 1982 (pub. 1983). (15th). p. 16-22. Includes references. (NAL Call No.: SF961.A5).

O129

Errant electric current: a deceptive and little known problem (Dairy cattle, buildings, stray voltage). Correnti elettriche vaganti: problema subdolo e poco conosciuto. Italian. Navarotto, P.L. ; Badino, F. Verona : (s.l.). L'Informatore agrario. Jan 14, 1982. v. 38 (2). p. 18807-18809. ill. Includes references. (NAL Call No.: 281.8 IN32).

O130

Estimated costs of waste handling systems on Louisiana dairy farms / by Mark Hromadka and Kenneth W. Paxton. - Hromadka, Mark Paul, 1951-. ; Paxton, Kenneth Wayne. - 1942-. (Baton Rouge) Louisiana State University and Agricultural and Mechanical College, Dept. of Agricultural Economics and Agribusiness 1978. 44 p. : ill., map ; 28 cm. --. Includes bibliographic references. (NAL Call No.: 100 L935 No.529).

O131

Etological analysis of the activity of milk cows in the run and in the medium of great-capacity loose housing. Etologicka analyza cinnosti dojnic vo vybehu a v prostredí veľ'kokapacitneho vol'neho ustajnenia. Slovak.

POLNA. Vavak, V. Bratislava.
Czechoslovakia : Slovenskej akademia
vied. Pol'nohospodarstvo = Agriculture.
1984. v. 30 (9). p. 856-862. Includes 17
references. (NAL Call No.: DNAL 19.5
P752).

O132
**Experience in the reconstruction of
dairy barns for the combined-box keeping
of cows. RUSSIAN.**
Moroz, I.G. ; Kadantsev, P.M.-Skachko,
V.I.-Sukharevskii, N.V. Moskva, "Kolos".
Zhivotnovodstvo. Jan 1980. Jan 1980.
(1). p. 51-52. ill. (NAL Call No.: 49
Z6).

O133
**Experiences with noninsulated covered
dairy cattle yards. Erfahrungen mit
nicht gedämmten Milchviehlaufställen.
German.**
Strauss, H.D. Darmstadt, Ger., s.n.
Landtechnik. Apr 1982. v. 37 (4). p.
175-176. (NAL Call No.: 58.8 L235).

O134
**Exploitation of litter and litterfree
stalls in the housing sheds for dairy
cows. Využívání stélových a
bezstélových boxů v ustajnovacích
objektech pro dojnice. Slovak.**
Kovalčík, K.POLNA. ; Kovalčíková,
M.-Mihina, S. Bratislava : Slovenskej
akademia vied. Pol'nohospodarstvo =
Agriculture. 1982. v. 28 (9). p.
810-817. Includes references. (NAL Call
No.: 19.5 P752).

O135
**Factors affecting lying behavior and
stall utilization of dairy cattle.**
Arave, C.W. ; Walters, J.L. Amsterdam.
Elsevier. Applied animal ethology. Oct
1980. v. 6 (4). p. 369-376. ill. 12 ref.
(NAL Call No.: QL750.A6).

O136
**Factors associated with seasonality of
milk production in New York State.**
JDSCAE. Oltenacu, P.A. ; Smith,
T.R.-Kaiser, H.M. Champaign, Ill. ;
American Dairy Science Association.
Journal of dairy science. Apr 1989. v.
72 (4). p. 1072-1079. maps. Includes
references. (NAL Call No.: DNAL 44.8
J822).

O137
**Factors influencing neonatal dairy calf
survival (Sodium sulfite precipitation
test, housing arrangements).**
Linnabary, R.D. ; Dean, D.F. Santa
Barbara : Veterinary Practice Publishing
Company. Agri-Practice. May 1983. v. 4
(5). p. 39, 42-47. ill. Includes
references. (NAL Call No.: SF601.B6).

O138
Fallout shelter stall barn for 50 cows.
Washington, D.C. : U.S. Dept. of
Agriculture. 1965. "Issued March 1965."-
"Cooperative farm building plan
exchange, plan no. 5953." 1 sheet (2
p.) : ill., plans : 28 cm. (NAL Call
No.: DNAL 1 Ag84M no.989).

O139
Farm buildings in the west of Scotland.
Kelly, M. Aberdeen : Scottish Farm
Buildings Investigation Unit. Farm
building progress. July 1985. (81). p.
11-16. ill. Includes 10 references. (NAL
Call No.: DNAL TH4911.F37).

O140
**Feeding conditions in relation to
welfare for dairy cows in loose-housing
systems.**
Konggaard, S.P.CTVSD. The Hague :
Martinus Nijhoff. Current topics in
veterinary medicine and animal science.
1983. Paper presented at the Seminar on
Farm Animal Housing and Welfare.
Aberdeen, July 28-30, 1982. v. 24. p.
272-280. ill. Includes references. (NAL
Call No.: SF600.C82).

O141
**Feeding, managing, and housing dairy
calves / prepared by L.R. Fryman, K.E.
Harshbarger, and A.J. Muehling.**
Fryman, Leo Ray. 1920-. ; Harshbarger,
K. E.-Muehling, Arthur J.. 1928-.
Urbana, Ill. : University of Illinois.
College of Agriculture, Cooperative
Extension Service. 1968. Cover title. 11
p. : ill. ; 28 cm. (NAL Call No.: DNAL
275.29 I162C no.992).

O142
**Fertility characteristics of different
dairy genotypes under different
management conditions.**
ZBFVA. Ivancsics, J. ; Bader, E.-Kovacs,
K.G. Ljubljana : Fakulteta. Zbornik
Biotehniške fakultete univerze Edvarda
Kardelja v Ljubljani : Kmetijstvo. 1985.
(46). p. 95-100. (NAL Call No.: DNAL
21.5 Z15).

O143
**A field study of practice in loose
housing of dairy cattle in Missouri
/R.E. Stewart.**
Stewart, R. E. 1915-. Columbia, Mo. :
University of Missouri, College of
Agriculture, Agricultural Experiment
Station. 1950. 36 p. : map, plans : 23
cm. Bibliography: p. 35-36. (NAL Call
No.: DNAL 100 M693 (3) no.468).

O144
**Fitness, fertility and milk yield of
dairy cows in modern housing systems.
Konstitution, Fruchtbarkeit und Leistung
bei Milchkühen in modernen
Haltungssystemen. German.**
Schubert, U. ; Claus, J.-Ernst, E.
Stuttgart, W. Ger., Eugen Ulmer.
Zuchtungskunde. Jan/Feb 1982. v. 54 (1).
p. 16-24. 3 ref. (NAL Call No.: 49 Z8).

O145
**Fixed systems in the group stall (for
dairy cows, Netherlands).
Vastzetsystemen op de grupstal.**
Hijink, J.W.F. Den Haag, Ministerie van
Landbouw en Visserij.
Bedrijfsontwikkeling. Oct 1980. v. 11
(10). p. 897-902. ill. (NAL Call No.:
S11.B43).

Q146

Florida dairy cooling methods.

Bucklin, R.A. ; Beede, D.K.-Bray, D.R.-Strickland, J.T. St. Joseph, Mich. : The Society, American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1988 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. 1988. (fiche no. 88-4051). 8 p. ill. Includes references. (NAL Call No.: DNAL FICHE S-72).

Q147

Flush cleaning dairy barns--case studies.

Hermanson, R.E. St. Joseph, Mich. : American Society of Agricultural Engineers, c1985. Agricultural waste utilization and management : proceedings of the Fifth International Symposium on Agricultural Wastes, December 16-17, 1985, Hyatt Regency Chicago, Illinois Center, Chicago, Illinois. p. 590-597. ill. Includes references. (NAL Call No.: DNAL TD930.I57 1985).

Q148

Footbaths for dairy cows.

Ailott, D. ; Davies, R. London : The Service, Leaflet - Great Britain. Ministry of Agriculture, Fisheries and Food, Agricultural Development and Advisory Service. 1983. 1983. (841). 4 p. ill. (NAL Call No.: S217.L4).

Q149

Footbaths for dairy cows (to remove soil, stones, etc., antiseptic treatment solutions).

Shepherd, C.S. ; Walker-Love, J. Kenilworth, Eng., Farm Buildings Centre. Farm buildings digest. Winter 1980/1981. v. 15 (4). p. 23-25. ill. (NAL Call No.: 241.4 F22).

Q150

Free-stall barn for cattle / Agricultural Engineering Research Division, Agricultural Research Service .

Washington, D.C. : U.S. Dept. of Agriculture, 1969. "Issued May 1969."- "Cooperative farm building plan exchange, plan no. 6050." 1 sheet (2 p.) : ill., plans ; 27 cm. (NAL Call No.: DNAL 1 Ag84M no.1135).

Q151

Free-stall barn for 50 cows (housing only) / Agricultural Engineering Research Division, Agricultural Research Service .

Washington, D.C. : U.S. Dept. of Agriculture, 1969. "Issued March 1969."- "Cooperative farm building plan exchange, plan no. 6039." 1 sheet (2 p.) : ill., plans ; 27 cm. (NAL Call No.: DNAL 1 Ag84M no.1128).

Q152

Free-stall barn for 60 cows / Agricultural Engineering Research Division, Agricultural Research Service .

Washington, D.C. : U.S. Dept. of Agriculture, 1969. "Issued March 1969."- "Cooperative farm building plan exchange, plan no. 6030." 1 sheet (2 p.) : ill., plans ; 27 cm. (NAL Call No.: DNAL 1 Ag84M no.1125).

Q153

Free-stall barn for 62 cows (arrangement for dairy system) / Agricultural Engineering Research Division, Agricultural Research Service .

Washington, D.C. : U.S. Dept. of Agriculture, 1969. "Issued March 1969."- "Cooperative farm building plan exchange, plan no. 6034." 1 sheet (2 p.) : ill., plans ; 27 cm. (NAL Call No.: DNAL 1 Ag84M no.1130).

Q154

Free-stall barns 44 and 48 feet wide / Agricultural Engineering Research Division, Agricultural Research Service .

Washington, D.C. : U.S. Dept. of Agriculture, 1969. "Issued May 1969."- "Cooperative farm building plan exchange, plan no. 6042." 1 sheet (2 p.) : ill., plans ; 27 cm. (NAL Call No.: DNAL 1 Ag84M no.1137).

Q155

Free-stall beddings for dairy cows (Coal

"fines", savings, limestone, strain). Harmon, D.E. ; Simkins, S.L.-Ashley, R.W. Carbondale, Ill., Southern Illinois University. AG reviewSouthern Illinois University. School of Agriculture. 1981. 1981. p. ANI31-ANI33. (NAL Call No.: S537.S5S6).

Q156

Free-stall dairy cattle housing. -.

Munroe, J. A. Ottawa, Ont. Agriculture Canada c1982. Cover title -Sections written by J.A. Munroe and others -"A federal provincial publication, Canada/Ontario, Manitoba, British Columbia". 56 p. : ill. ; 28 cm. --. (NAL Call No.: 7 C16Pu no.1715).

Q157

Free-stall dairy system for 101 cows.

Washington, D.C. : U.S. Dept. of Agriculture, 1966. "September 1966."- "Cooperative farm building plan exchange, plan no. 5985." 1 sheet (2 p.) : ill., plans ; 28 cm. (NAL Call No.: DNAL 1 Ag84M no.1037).

Q158

Free-stall housing for dairy cattle /by A.J. Muehling and L.R. Fryman.

Muehling, Arthur J., 1928-. ; Fryman, Leo Ray, ; 1920-. Urbana, Ill. : University of Illinois, College of Agriculture, Cooperative Extension Service, 1965. Cover title. 7 p. : ill. ; 28 cm. (NAL Call No.: DNAL 275.29 IL62C no.919).

0159

Free-stall housing system for 88 cows.
Washington, D.C. : U.S. Dept. of Agriculture, 1969. "Issued January 1969."-- "Cooperative farm building plan exchange, plan no. 6025." 1 sheet (2 p.) : ill., plans : 27 cm. (NAL Call No.: DNAL 1 Ag84M no.1116).

0160

Free stall loose housing for dairy cattle.

Moeller, N. J. ; Foley, J. R. 1970. Document available from: Mailing Room, Ag. Administration Bldg., Purdue University, W. Lafayette, Indiana 47907. 4 p. : ill. (NAL Call No.: Not available at NAL.). (NAL Call No.: ID-63). This publication looks at free stall housing for dairy cattle. Requirements are given to make either pipe free or wood free stalls. Management tips are mentioned to improve the operation.

0161

Free-stall system for dairy cows / Agricultural Engineering Research Division, Agricultural Research Service

Washington, D.C. : U.S. Dept. of Agriculture, 1969. "Issued March 1969."-- "Cooperative farm building plan exchange, plan no. 6035." 1 sheet (2 p.) : ill., plans : 27 cm. (NAL Call No.: DNAL 1 Ag84M no.1127).

0162

Future form of barns for dairy cattle rearing. Milchviehhaltung--Stallformen der Zukunft.

Marten, J. Gelsenkirchen-Buer, Verlag Th. Mann, Die Milch Praxis und Rindermast, 1980. v. 18 (3). p. 104-105. ill. (NAL Call No.: SF221.M5).

0163

Future forms of barns for rearing dairy cattle. Milchviehhaltung--Stallformen der Zukunft. German.

Marten, J. Frankfurt/Maine, DLG Verlag, Kostengunstige Rindviehställe = Cost-effective cattle houses. 1979 (pub. 1981). 1979 (pub. 1981). p. 15-16. ill. (NAL Call No.: SF206.K6).

0164

Good dairy housing design--a form of preventive medicine? (Cows, United Kingdom, Scotland).

Kelly, M. London : British Veterinary Association, The Veterinary record, Dec 17, 1983. v. 113 (25). p. 582-586. ill. Includes references. (NAL Call No.: 41.8 V641).

0165

Grounding resistance and ground currents in dairy facilities.

Stetson, L.E. ; Bodman, G.R. St. Joseph, Mich. : The Society, American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1987 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at

(616) 429-0300 for information and prices. 1987. (fiche no. 87-3033). 14 p. ill. Includes references. (NAL Call No.: DNAL FICHE S-72).

0166

Group handling of dairy cows.

Lane, G.T. ; Riddell, D.O.-Olson, K.L. Lexington, Ky. : The Service, ASC - University of Kentucky, Cooperative Extension Service, Dec 1985. (28, rev.). 3 p. (NAL Call No.: DNAL SF191.K4).

0167

Growth and behavior of dairy calves under hutch-housing conditions (Japan). Japanese.

Iketaki, T. ; Uchiyama, K.-Hirose, Y.-Tojo, Y.-Ota, S. Obihiro : Obihiro Chikusan Daigaku, Gakujutsu kenkyu hokoku = Research bulletin of Obihiro University, Series I, June 1983. v. 13 (2). p. 93-100. Includes references. (NAL Call No.: 513 QB3).

0168

Handy hints for herringbones (Dairy cows, milking parlors).

Griffiths, C. Sydney, The Section, Dairy topics - New South Wales, Dept. of Agriculture, Division of Animal Production, Dairying Section, Apr 1981, Apr 1981. (30). p. 28-31. ill. (NAL Call No.: 44.8 D1444).

0169

Health and physiology of newborn calves housed in severe cold.

Rawson, R.E. ; Bates, D.W.-Dziuk, H.E.-Ruth, G.R.-Good, A.L.-Serfass, R.C.-Anderson, J.F. St. Joseph, Mich. : American Society of Agricultural Engineers, c1988. Livestock environment III : proceedings of the Third International Livestock Environment Symposium, April 25-27, 1988, Constellation Hotel, Toronto, Ontario, Canada. p. 365-368. Includes references. (NAL Call No.: DNAL SF91.I5 1988).

0170

Heat detection in tying stalls (Dairy cows, estrus). Tochtigheidsvaarneming op de grupstal. Dutch.

Seinhorst, J.W. Wageningen : Het Proefstation, Publikatie - Proefstation voor de Rundveehouderij, June 1982. June 1982. (19). p. 22-26. ill. Includes references. (NAL Call No.: SF191.P73).

0171

Heat saps cows' energy University of Arizona, Frank Wiersma

Tucson, Ariz. : College of Agriculture, University of Arizona, Arizona land & people, June 1984. v. 35 (2). p. 18-20. ill. (NAL Call No.: DNAL 6 P9452).

0172

Heat stress can be reduced with shading and water misting.

Whitlow, L.W. Raleigh, N.C. : North Carolina Agricultural Extension Service, North Carolina dairy extension newsletter, June 1987. p. 3-6. (NAL Call No.: DNAL 275.29 N811NC).

O173

Herringbone and side-opening milking parlors.

Bickert, W.G. ; Armstrong, D.V. Ames, Iowa : The Service, 1985. Illinois-Iowa dairy handbook / University of Illinois at Urbana-Champaign and Iowa State University at Ames, Cooperative Extension Service, Illinois-Iowa Dairy Guide (401), September, 1980. 6 p. ill. (NAL Call No.: DNAL SF239.I45 1985).

O174

History, evolution and structure in raising dairy cattle in Avesnois. Historique, evolution et structure de l'élevage bovin laitier en Avesnois / par Philippe Emile Rene Maricelle. - French.

Maricelle, Philippe Emile Rene, 1956-. (Toulouse, France) Ecole nationale veterinaire de Toulouse 1983. xi, 192. v p. : ill., maps : 24 cm. --. Bibliography: p. 1-111 (3rd section). (NAL Call No.: 41.2 T646 1983 no.107).

O175

Housing adapted to dairy heifers in Sarthe (Barn design and layout). Dans la Sarthe: un logement adapte aux genisses laitieres. French.

Hiron, Y. Paris : Compagnie generale de developpement, L'Elevage bovin, Dec 1983. Dec 1983. (134). p. 54-55, 57, 59. ill. (NAL Call No.: SF1.E42).

O176

Housing and environment for dairy calves.

Turnbull, J.E. Ottawa, Canadian Veterinary Medical Association, The Canadian veterinary journal. = La Revue veterinaire canadienne, Mar 1980. v. 21 (3). p. 85-90. ill. 5 ref. (NAL Call No.: 41.8 R3224).

O177

Housing and management of young dairy cattle. -

Alnick, Northumberland Ministry of Agriculture, Fisheries and Food 1984. Cover title. 33 p. : ill. ; 21 cm. --. (NAL Call No.: S217.B6 no.2424 1984).

O178

Housing change and stress can bring on pneumonia (Dairy heifers).

Heider, L.E. Fort Atkinson, Wis., W.D. Hoard & Son, Hoard's dairyman, Oct 25, 1980. v. 125 (20). p. 1392-1393. (NAL Call No.: 44.8 H65).

O179

Housing cows at small dairy farms.

Sastry, N.S.R. New Delhi, Indian Council of Agricultural Research, Indian farming, Aug 1980. v. 30 (5). p. 25-27, 29. ill. (NAL Call No.: 22 IN283).

O180

Housing dairy cows (Barns). Logement des vaches laitieres. FRENCH.

Lille, (s.n.). Cultivar, Oct 1980. Oct 1980. (132). p. 62-63. (NAL Call No.: SB183.C8).

O181

Housing of dairy animals (Cattle, sheds).

Srivastava, A. ; Thomas, C.A. Bangalore : T.A. Gaffar, Livestock adviser, June 1982. v. 7 (6). p. 13-17. (NAL Call No.: SF1.L53).

O182

Housing systems (Dairy cattle).

Bickert, W.G. ; Light, R.G. Champaign, Ill., American Dairy Science Association, Journal of dairy science, Mar 1982. v. 65 (3). p. 502-508. ill. Includes 4 ref. (NAL Call No.: 44.8 J822).

O183

Housing young dairy cattle. Huisvesting van jongvee. DUTCH.

Smits, A.C. ; Swierstra, D. Wageningen, Stichting Mechanisatie Centrum, Landbouwmecanisatie, Oct 1979. v. 30 (10). p. 1103-1105. ill. (NAL Call No.: 58.8 L2352).

O184

Hygienic housing of dairy cattle. Stalhygiene. Dutch.

Seinhorst, J.W. Wageningen : Het Proefstation, Publikatie - Proefstation voor de Rundveehouderij, June 1981. June 1981. (17). p. 49-50. (NAL Call No.: SF191.P73).

O185

Improved spring pastures, cow-calf production, and stocking rate carryover in the northern Great Plains / by W.R. Houston and J.J. Urlick.

Houston, Walter R., 1920-. ; Urlick, J. J. Washington : U.S. Dept. of Agriculture, 1972. 21 p. : ill. ; 27 cm. Literature cited: p. 20-21. (NAL Call No.: DNAL 1 Ag84Te no.1451).

O186

Improving milk quality produced by Department of Agricultural Journalism in cooperation with Agriculture/Agri-Business Program, University of Wisconsin-Extension, Cooperative Extension Service.

Madison, Wis. : The Dept., c1987. VHS.- Produced through the facilities of WHA-TV, University of Wisconsin-Extension, Madison, WI. 2 videocassettes (35 min., 56 sec.) : sd., col. ; 1/2 in. (NAL Call No.: DNAL Videocassette no.567).

O187

The incidence of cystic ovaries in dairy cattle housed in a total confinement system.

CJCMA, Hackett, A.J. ; Batra, T.R. Ottawa : Canadian Veterinary Medical Association, Canadian journal of comparative medicine = Revue canadienne de medecine comparee, Jan 1985. v. 49 (1). p. 55-57. Includes 21 references. (NAL Call No.: DNAL 41.8 C162).

0188
Inferences for the construction of dairy cattle stall systems (Group feeding). Folgerungen für die bauliche Gestaltung von Milchviehstallsystemen. German. Piotrowski, J. LVDEA, Braunschweig, W. Ger. : Forschungsanstalt für Landwirtschaft, Landbauforschung Volkenrode. 1982. 1982. (special no. 62). p. 206-214. 111. (NAL Call No.: 18 L2253).

0189
Influence of building structures and machine-technological equipment of stable objects for dairy cows on their milk production. Vyskum vplyvu stavbevo-konstrukcneho a strojovo-technologického riesenia ustajnovacich objektov pre dojnice na výrobu mlieka. Slovak. Markova, T. Bratislava : Priroda. Acta technologica agriculturae. 1982. v. 23. p. 235-247. 111. Includes references. (NAL Call No.: S671.A2).

0190
Influence of different housing systems on morbidity in an experimental dairy herd (Cows, Poland). Empel, W. ; Kozanecki, M. Utrecht, Netherlands : Dutch Section of the World Association for Buiatrics. 1982. Proceedings (of the) XIIIth World Congress on Diseases of Cattle, September 7-10, 1982. International Congresscentrum RAI, Amsterdam, the Netherlands / World Association for Buiatrics. v. 1 p. 638-642. Includes references. (NAL Call No.: SF961.I56 1982).

0191
Influence of dominant factors of the working environment in large-capacity dairy cow stables on the operational reliability of contactors in the control systems of machine lines. Vliv dominantnich cinitelu pracovniho prostredi velkokapacitnich staji pro dojnice na provozni spoehlivost stykacu v ovladacich zarizenich strojnich linek. Satoria, J. ; Steffl, Z. Praha, Ustav. Zemedelska technika - Ceskoslovenska akademie zemedelska Ustav vedeckotechnickych informaci pro zemedelstvi. Apr 1981. v. 27 (4). p. 213-222. 111. (NAL Call No.: 58.9 C333).

0192
Influence of manure-handling systems on heat and moisture loads in free-stall dairy housing. CAEDA, Quille, T.J. ; McQuitty, J.B.-Clark, P.C. Ottawa : Canadian Society of Agricultural Engineering. Canadian agricultural engineering. July 1986. v. 28 (2). p. 175-181. Includes references. (NAL Call No.: DNAL 58.8 C164).

0193
Influence of non-feeding factors on productive results in dairy farms (Tied and loose-housing barns, dairy cattle). Wplyw pozazywieniolowych czynnikow na wyniki produkcyjne w fermach krow mlecznych. Polish.

Winnicki, S. Krakow : Instytut. Biuletyn Informacyjny - Krakow. Instytut Zootechniki, Zaklad Informacji Zootechnicznej. 1982. v. 20 (4/5). p. 75-95. 111. Includes references. (NAL Call No.: SF1.K71).

0194
Influence of the dehorning on the health and the behaviour of a dairy cattle herd kept in a deep stall barn. Der Einfluss der Enthornung auf die Gesundheit und das Verhalten einer im Tiefstreuallstall gehaltenen Milchviehherde. German. Dester, H. Bern, Benteli. Schweizerische landwirtschaftliche Monatshefte. May/June 1981. v. 59 (5/6). p. 212-220. 111. (NAL Call No.: 17 SCH93).

0195
The influence of the space for walking and lying in a cubicle system on the behaviour of dairy cattle. Wierenga, H.K.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 171-180. 111. Includes references. (NAL Call No.: SF600.C82).

0196
Injuries of cows in free housing (analysis of the dairy barn and stanchion stable's importance) (Sweden). Trycksador hos kor i losdrift (analys av mjolkningsstallets och liggbasets betydelse). Hedren, A. ; Gustafsson, B. Lund, Det Institut. Specialmeddelande - Sveriges lantbruksuniversitet, Institutionen for lantbrukets byggnadsteknik. 1980. 1980. (special no.102). 17 p. 111. (NAL Call No.: TH4911.A1U6).

0197
An inquiry into the manifestations shown by loosely housed dairy cows. Studium zivotnich projeva dojnic pri volnem ustajeni. Macha, J. ; Kalina, J.-Kimpl, M. Brno. Vysoka skola zemedelska. Acta Universitatis Agriculturae. Facultas Agronomica. 1980. v. 28 (2). p. 169-174. 5 ref. (NAL Call No.: S13.B7).

0198
Inspired-air cooling for dairy cows (Florida). Canton, G.H. ; Buffington, D.E.-Collier, R.J. St. Joseph, Mich., The Society. Transactions of the ASAE - American Society of Agricultural Engineers. May/June 1982. v. 25 (3). p. 730-734. 111. 9 ref. (NAL Call No.: 290.9 AM32T).

0199
Investigations on movable arranged bows for separating the resting surfaces for dairy cattle. Untersuchungen an lose aufgelagerten Liegeflächentrennbügeln für Milchvieh. German. Wetzel, K. Berlin, VEB Verlag Technik. Agrartechnik. 1981. 1981. (10). p. 455-458. 111. 2 ref. (NAL Call No.: 58.8 D482).

0200

Is alternative bedding the answer to your mastitis problems?

DHMG. Britten, A. Minneapolis : Miller Publishing Co. Dairy herd management. Sept 1984. v. 21 (9). p. 38-40, 42-43. 111. (NAL Call No.: DNAL SF191.D3).

0201

Keeping dairy cows in tie or loose stalls? Fur Milchkue--Anbinde- oder Laufstallhaltung. GERMAN.

Thamling, C.H. Hildesheim, Arbeitsgemeinschaft Deutscher Tierzuechter. Der Tierzuechter. Oct 25, 1980. v. 32 (10). p. 408-411. (NAL Call No.: 49 T445).

0202

Kinetic analysis on walking behavior of cows.

Sato, Y. ; Tsutsui, Y.-Shishido, H.-Yamagishi, N.-Furukawa, R. St. Joseph, Mich. : American Society of Agricultural Engineers, c1988. Livestock environment III : proceedings of the Third International Livestock Environment Symposium, April 25-27, 1988, Constellation Hotel, Toronto, Ontario, Canada. p. 171-178. 111. Includes references. (NAL Call No.: DNAL SF91.I5 1988).

0203

Labor productivity in our stanchion stables for dairy cattle (Slovenia, Yugoslavia). Storiinost delavcev v hlevih za vezano zivino.

Bertoncelj, M. ; Pogacar, J. Ljubljana, Kmeticki glas, Sodobno kmetijstvo. Feb 1981. v. 14 (2). p. 47-49. 3 ref. (NAL Call No.: S13.S62).

0204

Large scale dairy cattle units with deep bedding system (Housing, floors). Ipari szervezesu melyalnos teheneszeteli telepek bemutatasa. Hungarian.

Facsar, I. MGALA. Budapest, Magyar Agrartudomanyi Egyesulet. Magyar allatorvosok lapja = Hungarian veterinary journal. July 1981. v. 36 (7). p. 455-458. 111. (NAL Call No.: 41.B V644).

0205

Livestock housing in Sri Lanka (Design of a stall barn for dairy cattle). Stallenbouw in Sri Lanka. Dutch.

Swierstra, D. Wageningen : Het Instituut. Publikatie - Instituut voor Mechanisatie, Arbeid en Gebouwen. Apr 1982. Apr 1982. (169). p. 76-77. 111. (NAL Call No.: S671.I56).

0206

Livestock yard runoff control systems.

Massie, L. R. Document available from: University of Wisconsin, Agricultural Bulletin Building, 1535 Observatory Drive, Madison, Wisconsin 53706 1980. 1 sheet : 111. (NAL Call No.: Document available from source.). (NAL Call No.: A3077).

This publication outlines runoff control systems, livestock yard collector and selection.

0207

Locomotion of cattle in loose housing systems.

Kampkens, K. ; Boxberger, J. St. Joseph, Mich. : The Society, c1987. Latest developments in livestock housing : Seminar of the 2nd Technical Section of the C.I.G.R. / Univ of Illinois, Urbana-Champaign, Illinois, USA, June 22-26, 1987 : hosted by American Society of Agricultural Engineers. p. 179-190. 111. Includes references. (NAL Call No.: DNAL SF91.I568 1987).

0208

Loose housing for dairy cattle /by

Thayer Cleaver and Robert G. Yeck. Cleaver, Thayer. ; Yeck, Robert G. : 1920-. Washington, D.C. : U.S. Dept. of Agriculture, 1953. Caption title. 16 p. : 111., plans : 26 cm. (NAL Call No.: DNAL 1 Ag84Ab no.98).

0209

Loose housing or stanchion type barns for dairy cattle / S.A. Witzel and E.E. Heizer.

Witzel, S. A. ; Heizer, E. E. Madison : Agricultural Experiment Station, University of Wisconsin, 1953. Cover title. 24 p. : 111. ; 23 cm. (NAL Call No.: DNAL 100 W75 (1) no.503).

0210

Loose-housing system (covered free stall) for 124 dairy cows / Agricultural Engineering Research Division, Agricultural Research Service. Washington, D.C. : U.S. Dept. of Agriculture, 1969. "Issued March 1969." - "Cooperative farm building plan exchange, plan no. 6031." 1 sheet (2 p.) : 111., plans : 27 cm. (NAL Call No.: DNAL 1 Ag84M no.1132).

0211

Lying down box stalls for dairy cows (Design and layout). Liegeboxen fur Milchvieh. GERMAN.

Hammer, K. ; Boxberger, J.-Mittrach, B. Munchen, BLV Verlagsgesellschaft. DLZ. June 1980. v. 31 (6). p. 880-883. 111. (NAL Call No.: 58.8 T677).

0212

Management and facilities for dairy cattle experiments.

Higgins, A. ; Stewart, J.A. Brisbane : Queensland Department of Primary Industries, 1983. Dairy cattle research techniques / edited by J.H. Ternouth. p. 40-50. Includes references. (NAL Call No.: DNAL SF208.D34).

0213

Management and housing factors affecting feet and leg soundness in dairy cattle.

McDaniel, B.T. Stillwater : The Association. Proceedings...annual convention - American Association of Bovine Practitioners. 1982 (pub. 1983). 1982 (pub. 1983). (15th). p. 41-49. Includes references. (NAL Call No.: SF961.A5).

0214

Management of calf herd programs (Calves, feeding, housing, diarrhea control).

LeBlanc, M.M. Philadelphia : W.B. Saunders. The veterinary clinics of North America. Nov 1981. Paper presented at the Symposium on Herd Health Management--Dairy Cow. 1981. v. 3 (2). p. 435-445. 111. Includes references. (NAL Call No.: SF601.V534).

0215

Management of high-performance herds in loose-housing cowsheds (Dairy cattle). Management von Leistungsherden in Laufställen. German.

Huffmeier, H. Bonn, W. Ger. : Der Fakultät. Vorträge - Hochschultagung der Landwirtschaftlichen Fakultät der Universität Bonn. 1982. 1982. (35th). p. 175-181. (NAL Call No.: 27 H632).

0216

Manger misting improves dairy cows' appetite.

CAGRA, Shultz, T.A. ; Morrison, S.R. Berkeley, Calif. : The Station. California agriculture - California Agricultural Experiment Station. May/June 1987. v. 41 (5/6). p. 12-13. 111. (NAL Call No.: DNAL 100 C12CAG).

0217

Mangers and feeding floors for dairy and beef cattle.

Washington, D.C. : U.S. Dept. of Agriculture. 1959. "Issued February 1959." - "Cooperative farm building plan exchange, plan no. 5837." 2 p. : 111., plans : 28 cm. (NAL Call No.: DNAL 1 Ag84M no.782).

0218

A medium size ferrocement water tank (for watering dairy cows, Queensland).

Field, D. ; Hurley, P. Brisbane : Department of Primary Industries. Queensland agricultural journal. May/June 1983. v. 109 (3). p. 157-160. 111. (NAL Call No.: 23 Q33).

0219

A method for compensating neutral-to-earth potentials in dairy facilities.

Winter, D.F. ; Dick, W.K. St. Joseph, Mich. : American Society of Agricultural Engineers. c1984. Agricultural electronics--1983 and beyond : proceedings of the National Conference on Agricultural Electronics Applications, December 11-13, 1983, Hyatt Regency Illinois Center, Chicago, Illinois. p. 492-500. 111. Includes 13 references. (NAL Call No.: DNAL TK7882.A37N38 1983).

0220

Milk production in dairy cows of different genotype groups in the technological rearing system with short stalls and dung pit. Produkcia mlieka dojnic roznych genotypovych skupin v technologickom systeme chovu s kratkym stojiskom a rostovym kaliskom. Chrenek, J. ; Plesnik, J. Praha. Ustav. Zivocisna vyroba - Ceskoslovenska

akademie zemedelska. Ustav vedeckotechnickych informaci pro zemedelstvi. Feb 1981. v. 26 (2). p. 111-122. 10 ref. (NAL Call No.: 49.9 C33).

0221

Milking and feeding chores in a confinement--stall barn (Dairy cattle).

Sistler, F.E. ; Finner, M.F.-Shook, G.E. St. Joseph, Mich. : The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Mar/Apr 1980. v. 23 (2). p. 419-422. 426. 12 ref. (NAL Call No.: 290.9 AM32T).

0222

Minimizing heat stress for dairy cows (Milk production correlations, shade structures, Florida).

Gainesville : Institute of Food and Agricultural Sciences. Florida agricultural research - University of Georgia. Agricultural Experiment Stations. Winter 1983. v. 2 (1). p. 5-9. 111. (NAL Call No.: S539.5.F55).

0223

A model to estimate the performance, revenues and costs of dairy cows under different production and price situations.

Arendonk, J.A.M. van. Essex : Elsevier Applied Science Publishers. Agricultural systems. 1985. v. 16 (3). p. 157-189. 111. Includes references. (NAL Call No.: DNAL HD1.A3).

0224

A modern dairy barn / Arthur A. Brigham. Individuality of cows / Walter A. Conant.

Brigham, Arthur A. 1856-. ; Conant, Walter A. Kingston, R.I. : Agricultural Experiment Station of the Rhode Island College of Agriculture and Mechanic Arts. 1901. Cover titles. p. 16-107. 6 folded leaves of plates : 111., plans : 23 cm. (NAL Call No.: DNAL 100 R34S (2) no.80).

0225

Modern dairy-milking blocks (Review) (Types of cow sheds). Russian.

Keba, A.E. Moskva : "Kolos". Sel'skoe khoziaistvo za rubezhom. May 1980. Literature review. May 1980. (5). p. 54-60. 111. 73 ref. (NAL Call No.: S13.S45).

0226

Modernisation of 310 cow dairy unit (Barns, farm buildings).

Harper, A.D. ; Mackay, A.J. Aberdeen : Scottish Farm Buildings Investigation Unit. Farm building progress. Apr 1983. Apr 1983. (72). p. 11-14. 111. (NAL Call No.: TH4911.F37).

0227

New construction costs of agricultural buildings for the housing of dairy cattle (Netherlands). Nieuwbouwkosten agrarische gebouwen voor de huisvesting van melkvee. Dutch. Swierstra, D. Den Haag : Ministerie van Landbouw en Visserij.

Bedrijfsontwikkeling. Feb 1983. v. 14
(2). p. 133-136. (NAL Call No.:
S11.B43).

0228

**New construction on medium-sized farms:
Resting box stall, feeding and resting
box stall, or tie stall? (Cows, dairy
building designs, Netherlands). Wat bij
nieuwbouw op middenbedrijven:
ligboxenstal, voerligboxenstal of
grupstal. Dutch.**
Folkerts, H.BDWKA. ; Marsman,
A.J.-Scherphof, W. Den Haag : Ministerie
van Landbouw en Visserij.
Bedrijfsontwikkeling. Apr 1983. v. 14
(4). p. 289-293. ill. (NAL Call No.:
S11.B43).

0229

**New systems of ventilation and
environmental control in dairy barns.**
Kains, F.A. Stillwater, Okla. : The
Association. Proceedings ... annual
convention - American Association of
Bovine Practitioners. 1985 (pub. 1986).
(18th). p. 60-66. ill. Includes 9
references. (NAL Call No.: DNAL
SF961.A5).

0230

**New technology is stressed at Dairy
Demonstration Day (Reducing heat stress
on dairy cows, feeding cottonseed,
University of Arizona).**
Phoenix, Ariz. : Elliott L. Cushman.
Arizona farmer rancher. June 1984. v. 63
(6). p. 6, 10. ill. (NAL Call No.: 6
AR44).

0231

**A note on resting behaviour of cows
before and after calving in two
different housing systems.**
Dechamps, P. ; Nicks, B.-Canart,
B.-Gielen, M.-Istasse, L. Amsterdam :
Elsevier Science Publishers, B.V.
Applied animal behaviour science. May
1989. v. 23 (1/2). p. 99-105. ill.
Includes references. (NAL Call No.: DNAL
QL750.A6).

0232

**Number of resting box stalls on January
1, 1983 (Dairy cattle, farm census and
size, Netherlands). Het aantal
ligboxenstallen per 1 januari 1983.
Dutch.**
Folkerts, H.BDWKA. Den Haag : Ministerie
van Landbouw en Visserij.
Bedrijfsontwikkeling. May 1983. v. 14
(5). p. 379-382. ill. (NAL Call No.:
S11.B43).

0233

**Open housing systems for dairy cows
(Mechanized manure removal). Sistemas de
estabulacion libre en el ganado vacuno
lechero.**
Caneque, V. Barcelona. (s.n.). El
Cultivador moderno. Oct 1980. Oct 1980.
(740). p. 18-20. ill. (NAL Call No.: 15
C89).

0234

**An open manger-loose box for dairy cows
(Design and layout). Offene
Fress-Liegeboxen fur Milchvieh.**
Mitrach, B. ; Koiler, G.-Suss,
M.-Hammer, K.-Mattern, P. Munchen. BLV
Verlagsgesellschaft. DLZ. Feb 1981. v.
32 (2). p. 175-178. ill. (NAL Call No.:
58.8 T677).

0235

**The Open shed compared with the closed
barn for dairy cows /by T.E. Woodward
... et al. .**
; Woodward, T. E. ; 1884-. Washington,
D.C. : U.S. Dept. of Agriculture, 1918.
Caption title. - "November 15, 1918." 15
p. ; 24 cm. (NAL Call No.: DNAL 1 Ag848
no.736).

0236

**Open shed versus conventional housing
for dairy calves /R.E. Erb ... et al. .**
; Erb, R. E. ; 1917-. Pullman, Wash. :
Washington Agricultural Experiment
Stations, Institute of Agricultural
Sciences, the State College of
Washington, 1951. Cover title. 31 p. ;
23 cm. Bibliography: p. 30-31. (NAL Call
No.: DNAL 100 W277 no.3).

0237

**Open stalls for dairy cattle. Der
Milchviehlaufstall. German.**
Budde, H. Hildesheim,
Arbeitsgemeinschaft Deutscher
Tierzuechter. Der Tierzuechter. Aug 25,
1981. v. 33 (8). p. 348-349. ill. (NAL
Call No.: 49 T445).

0238

**Open stalls for dairy cows (Design,
dimensions, forms, models). Logettes
pour vaches laitières. French.**
Tillie, M. Lille : (s.n.). Cultivar. Jan
1983. Jan 1983. (157). p. 154-155. ill.
(NAL Call No.: SB183.C8).

0239

**Our experience in untethered housing of
cows. Nash opyt bespriviaznogo
soderzhanii korov /V.M. Pereezdchikov,
D.M. Zosimov. --. Russian.**
Pereezdchikov, V. M. ; Zosimov, D. M.
Simferopol' : Krymizdat, 1960. 21 p. ;
ports : 17 cm. --. (NAL Call No.: DNAL
SF206.P4).

0240

**Partially open free-stall housing system
for dairy cows.**
Washington, D.C. : U.S. Dept. of
Agriculture, 1969. "Issued January
1969." - "Cooperative farm building plan
exchange, plan no. 6023." 1 sheet (2
p.) : ill., plans : 27 cm. (NAL Call
No.: DNAL 1 Ag84M no.1115).

0241

**The perfect parlour! (Dairy cow milking
sheds).**
Turpin, P.J. Ipswich, Eng., Farming
Press. Dairy farmer and dairy
beef-producer. Aug 1980. v. 27 (E). p.
57, 67. ill. (NAL Call No.: 44.8 D1414).

0242

Performance of dairy breed calves in different housing systems in a tropical climate (Mexico). Comportamiento de becerros de razas lecheras en diferentes sistemas de alojamiento en clima tropical.

Barradas Lagunes, H.V. ; Roman Ponce, H.-Monroy Ayon, V. Mexico, D.F., Instituto Nacional de Investigaciones Pecuarias. Técnica pecuaria en Mexico. July/Dec 1979. July/Dec 1979. (37). p. 29-33. 12 ref. (NAL Call No.: 49 T222).

0243

Planning optimal structure of a dairy cattle herd under conditions of interfarm integration for the production of milk (Moscow Region). RUSSIAN. Iotov, D.D. Moskva, Akademiia. Doklady TSKhA - Timiriachevskaiia sel'skokhoziaistvennaia akademiiia. Timiriachevskaiia sel'skokhoziaistvennaia akademiiia. 1978. 1978. (242). p. 125-128. 111. (NAL Call No.: 20 M857).

0244

Polygon milking parlors.

Bickert, W.G. ; Armstrong, D.V. Ames, Iowa : The Service, 1985. Illinois-Iowa dairy handbook / University of Illinois at Urbana-Champaign and Iowa State University at Ames, Cooperative Extension Service. Illinois-Iowa Dairy Guide (402). September, 1980. 5 p. 111. (NAL Call No.: DNAL SF239.I45 1985).

0245

Portable calf hutch.

Appleman, R. D. ; Otterby, D. E. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1975. 1 sheet : 111. (NAL Call No.: Document available from source.). (NAL Call No.: Dairy Husbandry 15). This publication discusses the advantages and disadvantages of portable calf hutches and how to make three types of hutches.

0246

Possibilities for reconstruction of stables for dairy cows. Möglichkeiten zur Rekonstruktion von Milchproduktionsställen.

Schur, W.D. Rostock (East Germany), Wilhelm-Pieck-Universität, 1980. Massnahmen zur Intensivierung der Rinderzucht : Vorträge einer gemeinsamen Weiterbildungsveranstaltung der Sektion Tierproduktion der Wilhelm-Pieck-Universität Rostock, des Forschungszentrums für Tierproduktion Dummerstorf-Rostock, der Bezirksvorstände der Agrarwissenschaftlichen Gesellschaft der DDR und der Abteilungen Landwirtschaft der Räte der Bezirke Rostock, Schwerin und Neubrandenburg in Warnemünde am 9./10. 11. 1978. p. 83-86. (NAL Call No.: SF201.M33).

0247

Practical knowledge of raising and feeding dairy cattle. Nai niu ssu yang shih yung chi shu / Chang Ta-li pien hsieh. Chinese.

Chang, Ta-li. Ha-erh-pin : Hai-lung-chiang jen min ch'u pan she, 1987. Colophon title also in Pinyin: Nai niu shi yang shi yong ji shu. 3. 63 p. : 19 cm. (NAL Call No.: DNAL SF208.C53 1987).

0248

Preference of dairy cattle for stall options in free stall housing.

TAAEA, Gebremedhin, K.G. ; Cramer, C.D.-Larsen, H.J. St. Joseph, Mich. : The Society, Transactions of the ASAE - American Society of Agricultural Engineers, Sept/Oct 1985. v. 28 (5). p. 1637-1640. 111. Includes references. (NAL Call No.: DNAL 290.9 AM327).

0249

Present situation in the development of barns for dairy cows (Designs, mechanization). Situazione attuale nella evoluzione delle stalle per lattifere. ITALIAN.

Chiappini, U. Bologna, Edagricole. Informatore zootecnico. Sept 30, 1979. v. 26 (18). p. 62-65. 111. 6 ref. (NAL Call No.: 49 IN3).

0250

Principles of housing dairy cattle.

Baxter, S.H. Edinburgh : University of Edinburgh, Centre for Tropical Veterinary Medicine, 1985. Milk production in developing countries : proceedings of the conference held in Edinburgh from the 2nd to 6th April 1984 / organised by the Centre for Tropical Veterinary Medicine ; edited by A.J. Smi. p. 368-385. 111. Includes references. (NAL Call No.: DNAL SF233.D44M55).

0251

Procedures and equipment for pasture rearing (Dairy cows, milking sheds and fences). Verfahren und Ausrüstungen für die Weidehaltung. German.

Weiland, G. Berlin, VEB Verlag Technik. Agrartechnik. Feb 1981. v. 31 (2). p. 55-56. 111. (NAL Call No.: 58.8 D482).

0252

Pros and cons of the free housing of dairy cattle. Pro e contro della stabulazione libera per le lattifere.

Bonadonna, T. Bologna, Edagricole. Informatore zootecnico. Dec 15, 1980. v. 27 (23). p. 19-20. 111. (NAL Call No.: 49 IN3).

0253

A quantitative analysis of social behaviour of different crossbreds of dairy cattle kept in loose housing and its relationship to productivity.

Jezierski, T.A. ; Podluzny, M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Nov 1984. v. 13 (1/2). p. 31-40. Includes references. (NAL Call No.: DNAL QL750.A6).

0254

Raising and feeding dairy cattle. Nai niu ti ssu yang /Wu Tao-chung pien hsieh. Chinese.

Wu, Tao-chung. Ch'ang-ch'ün-shih? : Chi-lin k'io hsueh chi shu ch'ü pan she : Fa hsing Chi-lin sheng hsün hua shu tien, 1988. 2, 199 p. : ill. : 19 cm. (NAL Call No.: DNAL SF208.WB 1988).

0255

Raising calves to improve the dairy business.

Hillman, Donald. ; Armstrong, Dennis V.-Newman, Louis E.-Boyd, James S.-Ellis, David J. Document available from: Michigan State University, Bulletin Office, P.O. Box 231, East Lansing, Michigan 48824 1974. 22 p. : ill. (NAL Call No.: Document available from source.)(NAL Call No.: Extension Bulletin 412).

This publication discusses raising dairy calves and includes general management, health, diseases, calf and maternity housing, and tables of nutrient requirements.

0256

Raising dairy herd replacements.

Porterfield, Ralph A. ; Hibbs, J. W. 1975. Document available from: Ext. Office of Information, Ohio State University, 2120 Fyffe Road, Columbus, OH 43210. 24 p. : ill. (NAL Call No.: Not available at NAL.)(NAL Call No.: 514).

This discusses dairy calves from birth to breeding including nutrition, housing, parasite control, and expected growth. It also discusses some basic genetics and reproduction.

0257

Raising dairy replacement heifers: from birth to breeding.

Knutson, R.J. ; Allrich, R.D.-Cunningham, M.D. West Lafayette, Ind. : The Service. Animal Sciences AS - Cooperative Extension Service, Purdue University. In subseries: Dairy. Feb 1988. (454). 7 p. ill. (NAL Call No.: DNAL 49.9 IN23).

0258

Rearing methods that save work (Dairy cattle, barns, design and layout). Arbeitssparende Haltungsverfahren. German.

Bischoff, T. Frankfurt/Maine, DLG Verlag. Kostengünstige Rindviehställe = Cost-effective cattle houses. 1979 (pub. 1981). 1979 (pub. 1981). p. 7-10. ill. (NAL Call No.: SF206.K6).

0259

Reducing morbidity in dairy cattle.

MVPRA. Jones, G. Santa Barbara, Calif. : American Veterinary Publications. Modern veterinary practice. Mar 1985. v. 66 (3). p. 206-207. Includes 3 references. (NAL Call No.: DNAL 41.8 N812).

0260

The relationship between environmental conditions and bovine udder diseases in Norwegian dairy herds (Loose housing, tie stall systems).

Bakken, G. Stockholm, Scandinavian Association of Agricultural Scientists. Acta agriculturae scandinavica. 1982. v. 32 (1). p. 23-31. Includes 1 p. ref. (NAL Call No.: 11 AC82).

0261

The relationship of environment to respiratory disease in the dairy calf (Infectious disease prevention).

Anderson, J.F. Stillwater : The Association. Proceedings ... annual convention - American Association of Bovine Practitioners. 1982 (pub. 1983). 1982 (pub. 1983). (15th). p. 159-162. Includes references. (NAL Call No.: SF961.A5).

0262

Reproduction in three genetic lines of dairy cattle housed in a total confinement system (Holstein, Ayrshire, Crossbreds).

Hackett, A.J. ; Batra, T.R. Ottawa, Canadian Veterinary Medical Association. Canadian journal of comparative medicine. Oct 1981. v. 45 (4). p. 339-342. 16 ref. (NAL Call No.: 41.8 C162).

0263

Requirements for slatted floors for dairy cow boxes. Anforderungen an Spaltenboden in Liegeboxenlaufställen. German.

Boxberger, J. ; Pfadler, W. Darmstadt, W. Ger. ; Eduard F. Beckmann. Landtechnik. Jan 1982. v. 37 (1). p. 41-44. ill. (NAL Call No.: 58.8 L235).

0264

Restraint and treatment facilities for dairy animals (Pens, stalls, gates, buildings, cows).

Graves, R.E. University Park, Pa. : The Service. Special circular - Pennsylvania State University. Cooperative Extension Service. 1983. 1983. (289). 6 p. ill. (NAL Call No.: 275.29 P3825P).

0265

Results of fortnightly and monthly checks of milk efficiency of dairy cows in free box housing. Výsledky čtrnáctidenní a měsíční kontroly mléčné užitkovosti u dojnic ve volném boxovém ustájení. CZECH.

Kratochvíl, L. ; Veris, J.-Zadrazil, K. V Praha, Vysoká škola. Sborník Vysoké školy zemědělské v Praze, Fakulta agronomická. Rada B. Živocisná výroba. 1979. 1979. (29). p. 197-207. 6 ref. (NAL Call No.: SF1.P7).

0266

Resumption of ovarian activity and estrus postpartum in dairy cows maintained indoors year-round.

CNUNA. Hackett, A.J. ; Lin, C.Y.-McAllister, A.J. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. June 1985. v. 65 (2). p. 391-398. ill.

Includes references. (NAL Call No.: DNAL 41.8 C163).

0267

Rotary milking parlors.

Bickert, W.G. ; Armstrong, D.V. Ames, Iowa : The Service, 1985. Illinois-Iowa dairy handbook / University of Illinois at Urbana-Champaign and Iowa State University at Ames, Cooperative Extension Service. Illinois-Iowa Dairy Guide (403). September, 1980. 4 p. ill. (NAL Call No.: DNAL SF239.145 1985).

0268

Sanitary cow stalls /by C.A. Ocock.

Ocock, C. A. Madison, Wis. : The University of Wisconsin, Agricultural Experiment Station, 1909. Cover title. 18 p. : ill. ; 23 cm. (NAL Call No.: DNAL 100 W75 (1) no.185).

0269

Shade management systems to reduce heat stress for dairy cows in hot, humid climates (Orientation, space, floor, height, ventilation, roof construction, feeding and watering facilities, waste management systems).

Buffington, D.E. ; Collier, R.J.-Canton, G.H. St. Joseph, Mich. : The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Nov/Dec 1983. v. 26 (6). p. 1798-1802. Includes references. (NAL Call No.: 290.9 AM32T).

0270

Should dairy cows be confined in stalls?

/by Wilber J. Fraser.

Fraser, Wilber John, 1869-1949. Urbana, Ill. : University of Illinois Agricultural Experiment Station, 1905. Caption title. 24 p. : ill. ; 23 cm. (NAL Call No.: DNAL 275.29 IL62C no.93).

0271

A simple but evolutionary building for 40-50 dairy cows (Barn design and layout). Un batiment simple mais evolutif pour 40-50 vaches laitières. French.

Ble, J.C. Paris : Compagnie generale de developpement. L'Elevage bovin. Mar 1984. Mar 1984. (137). p. 60-62. ill. (NAL Call No.: SF1.E42).

0272

Slapp korna loss for battre miljo och hygien = Loose housing for dairy cows : for better environment and hygiene /Karl Ekelund. Swedish.

Ekelund, Karl. Lund : Sveriges lantbruksuniversitet, Institutionen for lantbrukets byggnadsteknik, Avdelningen for jordbrukets byggnads- och klimatteknik, 1988. Summary in English. 1 v. (various pagings) : ill. ; 30 cm. Bibliography: p. 28-29. (NAL Call No.: DNAL TH4911.A1U6 no.156).

0273

Slatted floor for dairy cows.

Untersuchungen zur Ausführung von Spaltenboden für Milchkuhe.

Boxberger, J. ; Pfadler, W. Lehrte, Verlag Eduard F. Beckmann KG. Landtechnik. May 1980. v. 35 (5). p.

227-231. ill. 13 ref. (NAL Call No.: 58.8 L235).

0274

Slotted curved roof ventilation for dairy cows in cubicles (Housing).

Brown, A.M. Belfast, Her Majesty's Stationery Office. Agriculture in Northern Ireland. Feb 1980. v. 54 (10). p. 279-281. ill. (NAL Call No.: 256.13 AG82M).

0275

Slotted floors--saves on bedding, labour and machinery (Barns, dairy cattle).

Paulson, C. ; Kroeker, A. Burnaby, B.C., Fraser Valley Milk Producers' Association. Butter-Fat. Mar/Apr 1979. v. 57 (2). p. 4-7. ill. (NAL Call No.: 44.8 B98).

0276

Slurry handling systems for self-feeding feedlots (Dairy cattle, cleaning, waste disposal). Nestafvoersystemen in sleufsilo's bij zelfvoeding. Dutch.

Gels, J.A. Wageningen : Het Proefstation. Publikatie - Proefstation voor de Rundveehouderij. June 1982. June 1982. (19). p. 77-80. ill. (NAL Call No.: SF191.P73).

0277

Solutions for the rearing of dairy cows with litter with special regard to open stalls. Lösungen für die Haltung von Milchvieh mit Einstreu unter besonderer Berücksichtigung der Laufhaltung. German.

Siedel, K. Berlin, E. Ger. : VEB Verlag Technik. Agrartechnik. 1983. v. 33 (3). p. 117-118. Includes references. (NAL Call No.: 58.8 D482).

0278

Some effects of types of shelter upon dairy cattle /by James R. Dice ; prepared for publication by Peder A. Nystven.

Dice, J. R. 1900-. ; Nystven, P. A. Fargo : Agricultural Experiment Station, North Dakota Agricultural College, 1947. 21 p. : ill. ; 22 cm. (NAL Call No.: DNAL 100 NB13 no.344).

0279

Some models of barns (for dairy cows). Quelques modeles d'etables. Franch.

Tillie, M. Paris : Compagnie generale de developpement. L'Elevage bovin. Apr 1982. Apr 1982. (116). p. 47-50. ill. (NAL Call No.: SF1.E42).

0280

The space race (Dairy cattle, housing).

Chancellor, G. Ipswich, Eng., Farming Press. Dairy farmer and dairy beef-producer. May 1981. v. 28 (5). p. 63, 65, 71. ill. (NAL Call No.: 44.8 D1414).

0281

Specially designed maternity barn (for pregnant dairy cows).

Bates, D.W. ; Anderson, J.F. Fort Atkinson, Wis., W.D. Hoard & Son. Hoard's dairyman. Feb 10, 1981. v. 126 (3). p. 153, 234. ill. (NAL Call No.:

0282
Sprinkling and fan evaporative cooling for dairy cattle in Florida.
 Strickland, J.T. ; Bucklin, R.A.-Nordstedt, R.A. St. Joseph, Mich. : The Society, American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1988 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. 1988. (fiche no. 88-4042). 13 p. ill. Includes references. (NAL Call No.: DNAL FICHE S-72).

0283
Stall barns for dairy cattle /by Thayer Cleaver, Harold J. Thompson, and Robert G. Yeck.
 Cleaver, Thayer. ; Thompson, Harold J. ; 1914--Yeck, Robert G. ; 1920--.
 Washington, D.C. : U.S. Dept. of Agriculture, 1954. 16 p. : ill., 1 map. plans : 26 cm. (NAL Call No.: DNAL 1 Ag84Ab no.123).

0284
Stall insulation as an energy-saving factor (Costs, dairy cattle housing, Netherlands). Stalisolatie als energiebesparingsfactor. Dutch.
 Duwerkerk, E.N.J. vanBDWKA. Den Haag : Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling. Oct 1983. v. 13 (9). p. 813-816. (NAL Call No.: S11.B43).

0285
Stalls for the rearing of dairy cows (Housing). Le cuccette nell'allevamento delle lattifere. Italian.
 Bologna, Edagricole. Informatore zootecnico. Jan 31, 1982. v. 29 (2). p. 16-19. ill. (NAL Call No.: 49 IN3).

0286
Status of animal welfare awareness of producers and direction of animal welfare research in the future (Dairy cattle, legislation, housing).
 Albright, J.L.JDSCAE. Champaign : American Dairy Science Association. Journal of dairy science. Oct 1983. v. 66 (10). p. 2208-2220. Includes references. (NAL Call No.: 44.8 JB22).

0287
Structural methods for cooling dairy cows in the southeast.
 Barth, C.L. St. Joseph, Mich. : The Society, American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1988 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. 1988. (fiche no. 88-4054). 7 p. Includes references. (NAL Call No.: DNAL

0288
Studies on new milking procedures for rotating box stalls (Dairy cows). Untersuchungen über neue Melkverfahren für Schwenkboxen-Ställe.
 Seibicke, B. ; Grimm, H.-Aksen, T.-Pichler, O.-Rabold, K. Gelsenkirchen-Buer, Verlag Th. Mann. Die Milch Praxis und Rindermast. 1980. v. 18 (1). p. 22-24. ill. 6 ref. (NAL Call No.: SF221.M5).

0289
Study of the effect of stall litter on the behavior of dairy cows in loose housing. Etude de l'influence du revêtement des logettes sur le comportement des vaches laitières en stabulation libre. French.
 Maton, A. ; Daelemans, J.-Lambrecht, J. Bruxelles, Ministère de l'agriculture. Revue de l'agriculture. July/Aug 1981. v. 34 (4). p. 973-993. ill. Includes 16 ref. (NAL Call No.: 13 R322).

0290
Study of the performance of some building elements in a shed for dairy cows. Studiul comportarii in exploatare a unor elemente de constructii la un adapost pentru vaci de lapte. ROMANIAN.
 Cucu, I. Iasi, (s.n.). Lucrari stiintifice. Seria Zootehnie Medicina veterinara. 1978. 1978. p. 9-10. ill. 5 ref. (NAL Call No.: SF695.R615).

0291
Suggestions for solutions for rationalization of existing dairy cattle barns and the removal of obsolete barns, with the example of Osterburg district (East Germany). Lösungsvorschläge zur Rationalisierung vorhandener Milchviehställe und zum Abfangen auslaufender Kuhplätze, dargestellt am Beispiel des Kreises Osterburg. German.
 Seidemann, R. ; Thieleke, C.-Thielbeer, A. Berlin, Akademie der Landwirtschaftswissenschaften der DDR. Tierzucht. Nov 1981. v. 35 (11). p. 506-509. (NAL Call No.: 49 T443).

0292
Superposition of reactive forces in case of mobile boxes for dairy cattle. Untersuchungen zur Überlagerung von Reaktionskräften an lose aufgelagerten Standausrüstungen für Milchvieh. German.
 AGRAD. Garske, W. ; Rossel, D.-Partzsch, M.U. Berlin, E. Ger. : VEB Verlag Technik. Agrartechnik. 1984. v. 34 (10). p. 459-462. ill. Includes 22 references. (NAL Call No.: DNAL 58.8 D482).

0293
Survey of calf and heifer housing of Pennsylvania dairy farms.
 JDSCAE. Heinrichs, A.J. ; Graves, R.E.-Kiernan, N.E. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. Sept 1987. v. 70 (9). p. 1952-1957. Includes references. (NAL Call No.: DNAL 44.8 JB22).

0294

Survival of coliform bacteria in static compost piles of dairy waste solids intended for freestall bedding.

JDSCAE. Mote, C.R. ; Emerton, B.L.-Allison, J.S.-Dowlen, H.H.-Oliver, S.P. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. June 1988. v. 71 (6). p. 1676-1681. Includes references. (NAL Call No.: DNAL 44.8 J822).

0295

Technological studies of milk production units in the Republic of Cuba. Zu einigen technologischen Untersuchungen an Milchproduktionsanlagen in der Republik Kuba. German.

ETLTA. Lommatzsch, R. Leipzig, E. Ger. : Karl-Marx-Universität. Beiträge zur tropischen Landwirtschaft und Veterinärmedizin. 1988. v. 26 (3). p. 245-253. Includes references. (NAL Call No.: DNAL 26 L53).

0296

Testing of the housing system for dairy cows kept in littered combiboxes. Overeni ustajeni dojnic v nastylanych kombiboxech. Czech.

Zadrazil, R. Praha : Ustav. Zivocisna vyroba - Ceskoslovenska akademie zemedelska, Ustav vedeckotechnickych informaci pro zemedelstvi. Feb 1984. v. 29 (2). p. 175-180. ill. Includes references. (NAL Call No.: 49.9 C33).

0297

Tie or free stall housing--basis for changing and breed differences (Dairy cows). Anbinde- oder Laufstallhaltung--Abgangsgründe und Rassenunterschiede.

Thamling, C.H. (s.l.). Landwirtschaftskammer Schleswig-Holstein. Betriebswirtschaftliche Mitteilungen für den Wirtschaftsberater. June/July 1980. June/July 1980. (303/304). p. 41-44. (NAL Call No.: 281.8 B462).

0298

Tie stalls for dairy calves / Agricultural Engineering Research Division, Agricultural Research Service.

Washington, D.C. : U.S. Dept. of Agriculture. 1969. "Issued October 1969."-- "Cooperative farm building plan exchange, plan no. 6057.". 1 sheet (2 p.) : ill., plans ; 28 cm. (NAL Call No.: DNAL 1 Ag84M no.1149).

0299

Training dairy cattle (for milking parlors, use of stalls, electronic feeding, behavior).

Albright, J.L. Clovis, Calif. : Agriservices Foundation. Dairy science handbook. 1981. v. 14. p. 363-370. ill. (NAL Call No.: SF221.D335).

0300

Transmission of neutral/earth current in dairy barns.

Ludington, D.C. ; Pellerin, R.A.-Aneshansley, D.J.-Gorewit, R.C. St. Joseph, Mich. : The Society. American

Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1987 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. 1987. (fiche no. 87-3032). 20 p. ill. Includes references. (NAL Call No.: DNAL FICHE S-72).

0301

Treatise on raising dairy cows. Tratat de crestere a bovinelor /Gheorghe Georgescu ... et al. ; coordonator, Gh. Georgescu. Romanian.

; Georgescu, Gheorghe. Bucuresti : Editura Ceres, 1989. Added tables of contents in English, German and Russian. 322 p. : ill. ; 25 cm. Includes bibliographical references. (NAL Call No.: DNAL SF196.R6T7).

0302

Trends in herd age structure and the relationships with management characteristics in Wisconsin Holstein herds.

JDSCAE. Sattler, C.G. ; Dentine, M.R. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. Apr 1989. v. 72 (4). p. 1027-1034. Includes references. (NAL Call No.: DNAL 44.8 J822).

0303

The trigon milking parlor.

Armstrong, D.V. Ames, Iowa : The Service, 1985. Illinois-Iowa dairy handbook / University of Illinois at Urbana-Champaign and Iowa State University at Ames. Cooperative Extension Service. Illinois-Iowa Dairy Guide (400). September, 1980. 5 p. ill. (NAL Call No.: DNAL SF239.I45 1985).

0304

Understanding and dealing with stray voltage in livestock facilities.

Gustafson, R.J. New York, N.Y. : Institute of Electrical and Electronics Engineers. Papers presented at the ... annual conference - Rural Electric Power Conference. 1985. (29th). p. C2/1-C2/19. ill. Includes references. (NAL Call No.: DNAL TK4018.R86).

0305

Understanding and dealing with stray voltage problems (Dairy cows, electricity, milking parlors, wiring).

Gustafson, R.J. ; Cloud, H.A.-Appleman, R.D. Stillwater : American Association of Bovine Practitioners. The Bovine practitioner. Nov 1982. Nov 1982. (17). p. 4-15. ill. 1 p. ref. (NAL Call No.: SF779.5.A1B6).

0306

Unit 4--dairy calf housing and environment (Barns, sanitation).

Bates, D.W. ; Anderson, J.F.-Macey, R.-Radford, J.D.-Fugina, S.W.-Mauch, R. St. Paul, Minn. : The Service. Extension folder - Minnesota University.

Agricultural Extension Service (1980?). (1980?). (577). 4 p. ill. (NAL Call No.: 275.29 M66EX).

0307

Untethered housing of cattle.
Bespriviaznoe soderzhanie korov /K.
Tikhomirova, N. Samsonova. --. Russian.
Tikhomirova, N. ; Samsonova, N. Moskva :
Moskovskii rabochii, 1961. 34 p. : ill.,
ports : 17 cm. --. (NAL Call No.: DNAL
SF206.T5).

0308

**Update on dairy cow housing with
particular reference to flooring.**
BVJDA. Barnes, M.M. London : Bailliere
Tindall. British veterinary journal.
Sept/Oct 1989. v. 145 (5). p. 436-445.
ill. Includes references. (NAL Call No.:
DNAL 41.8 V643).

0309

**Upper critical temperatures and forced
ventilation effects for high-yielding
dairy cows in a subtropical climate.**
JDSCAE. Berman, A. ; Folman, Y.-Kaim,
M.-Mamen, M.-Herz, Z.-Wolfenson,
D.-Arieli, A.-Graber, Y. Champaign, Ill.
: American Dairy Science Association.
Journal of dairy science. June 1985. v.
68 (6). p. 1488-1495. Includes 33
references. (NAL Call No.: DNAL 44.8
J822).

0310

**Use of self-tethering feeding gates for
controlled feeding of dairy cows in a
loose housing system.**
Herland, P.J. Uppsala : Swedish
University of Agricultural Sciences.
Swedish journal of agricultural
research. 1983. v. 13 (4). p. 235-242.
Includes references. (NAL Call No.:
S3.58).

0311

**Viewpoint on the influence of stall
equipment on nutritional intake and
production of (dairy) cattle. Synpunkter
pa stallinredningens inverkan pa kons
naringsintag och produktion. SWEDISH.**
Herland, P.J. Stockholm, Sveriges
veterinarforbund. Svensk
veterinartidning. July 1979. v. 31
(13/14). p. 429-432. ill. (NAL Call No.:
41.9 SV23).

0312

**A warm, naturally ventilated barn that
works.**
DHMGA. Christenson, L.E. Minneapolis :
Miller Publishing Co. Dairy herd
management. Jan 1985. v. 22 (1). p. 58,
61-62. ill. (NAL Call No.: DNAL
SF191.D3).

0313

**What did the reconstruction of buildings
give (Dairy cattle farms,
mechanization). Russian.**
Kovalenko, A. Moskva : "Kolos".
Molochnoe i miasnoe skotovodstvo. July
1981. July 1981. (7). p. 48. (NAL Call
No.: 43.8 M73).

0314

**What goes wrong in those new dairy
setups? (Barns, cow problems).**
Miller, K.P. Fort Atkinson, Wis., W.D.
Hoard & Sons. Hoard's dairyman. Mar 25,
1980. v. 125 (6). p. 442, 454. ill. (NAL
Call No.: 44.8 H65).

0315

What's new for freestalls.
DHMGA. Annexstad, J. Minnetonka, Minn. :
Miller Publishing Co. Dairy herd
management. July 1986. v. 23 (7). p.
24-27, 38. ill. (NAL Call No.: DNAL
SF191.D3).

0316

**Will your cubicles pass the CSE?
(Clearance--space--envelope, housing
dairy cows).**
Cermak, J. Ipswich, Eng., Farming Press.
Dairy farmer and dairy beef-producer.
Nov 1981. v. 28 (11). p. 41, 43. ill.
(NAL Call No.: 44.8 D1414).

0317

**Will your ventilation keep cows
healthy?**
DHMGA. Bodman, G.R. Minnetonka, Minn. :
Miller Publishing Co. Dairy herd
management. July 1986. v. 23 (7). p.
31-33. ill. (NAL Call No.: DNAL
SF191.D3).

0318

**Winter housing and its effect on milk
production (Dairy cows). Estabulacion
invernal y su efecto sobre la produccion
de leche. Spanish.**
Jahn B. E. ; Vidal V. A.-Vyhmeister B.
H.-Bonilla E. W.-Millas A. P. Santiago,
Colombia : Instituto de Investigaciones
Agropecuarias. Agricultura tecnica.
July/Sept 1983. v. 43 (3). p. 189-193.
Includes references. (NAL Call No.:
464.9 C432B).

0319

**Young dairy calf housing in Missouri
/M.L. Esmay, H.F. Williams, B.E. Guyer.**
Esmay, Merle L., 1920-. ; Williams, H.
F.-Guyer, B. E. Columbia, Mo. :
University of Missouri. College of
Agriculture, Agricultural Experiment
Station. 1953. 20 p. : form, map ; 23
cm. (NAL Call No.: DNAL 100 M693 (3)
no.527).

0320

**Zoocentric approach to definition of
cubicle length and width for Friesian
dairy cows (Housing, England and Wales).**
Cermak, J. (Cheshire) : The Association.
British Cattle Veterinary Association
proceedings. 1981/1982. 1981/1982. p.
41-48. ill. Includes references. (NAL
Call No.: SF961.B71).

0321

**3-level manure system cuts labor, boosts
yields.**
DHMGA. Vikla, S.W. Minneapolis : Miller
Publishing Co. Dairy herd management.
Apr 1984. v. 21 (4). p. 16-18. ill. (NAL
Call No.: DNAL SF191.D3).

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